TOSHIBA

OWNER'S MANUAL

V-429B
V-229B

VHS

VIDEO Plus+ DELUXE

L NTSC4.43

iis OWNER'S MANUAL is designed so that you will get the most from your new
ıshiba VTR. Use the QUICK SET-UP GUIDE to set this product up before reading this Manual.

Important Information

DO NOT PLUG THE VTR INTO THE MAINS UNTIL YOU HAVE READ *Connecting the Leads and Auto Set Up on page 7.*

OPTIMUM RECEPTION OF TELEVISION STATIONS REQUIRES A GOOD BROADCAST SIGNAL. THIS GENERALLY MEANS THAT AN OUTDOOR AERIAL MUST BE USED.

Mains Connection – The mains supply required for the equipment is 220-240v AC 50Hz. The rating plate and the safety caution are on the rear of the unit. **NEVER** connect to a DC supply or any other power source.

Mains Plug – DO NOT cut off the fused mains plug from the equipment.

The fuse fitted in the plug is 3A and is BSI approved. It should only be replaced by a correctly rated and approved type and the fuse cover must be re-fitted.

IF IN DOUBT CONSULT A COMPETENT ELECTRICIAN

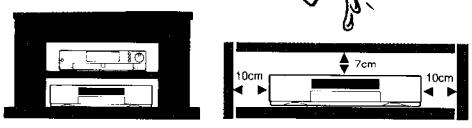
MOISTURE CONDENSATION:
Never operate the VTR immediately after moving it from a cold location to a warm location. Leave it for TWO TO THREE hours without operating it. When the VTR is exposed to such a change in temperature, moisture may condense on the cylinder inside of the VTR – one of its most crucial internal parts. If moisture condensation occurs inside the VTR, the cassette tape may stick to the surface of the cylinder causing damage to the tape itself and the video head.

Moisture condensation is most likely to occur in the following cases:
- When the VTR is moved from a cold location to a warm location;
- In a room rapidly heated or in a place where the VTR is directly exposed to a cool flow of air from an air-conditioner or other electrical appliance;
- In a room with excessive dampness or high humidity.

DO NOT REMOVE THE TOP COVER and never attempt to modify anything inside. Only allow qualified personnel to check and adjust the video recorder.

DO NOT PLACE CONTAINERS with liquids, such as cosmetics, flowers, candles, etc. on the video recorder. If water or any foreign material gets into the video recorder, switch off and remove the power cable. Then contact your local Toshiba dealer.

VENTILATION SPACE
All Toshiba television stands are designed to house video recorders and other AV equipment whilst providing adequate ventilation. However, if you do not use a Toshiba stand, ensure that there is enough space around the video recorder/satellite receiver to provide adequate ventilation.



- HQ VHS is compatible with existing VHS equipment.
- Only cassettes marked VHS can be used with the video recorder.

IMPORTANT... Purchasers and users of video tape recording machines are warned that, in the absence of appropriate licences from the copyright owners, the recording of television broadcasts or the re-recording of pre-recorded video tapes or tapes of television broadcasts will usually infringe the rights of copyrights owners in the broadcasts or tapes and other cinematographic, dramatic, artistic, sound recording, musical or literary copyrights. Infringement of copyrights is unlawful.

This product conforms with the requirements of Directives 73/23/EEC, 89/336/EEC, 92/31/EEC and Articles 5 and 13 of Directive 93/68/EEC.

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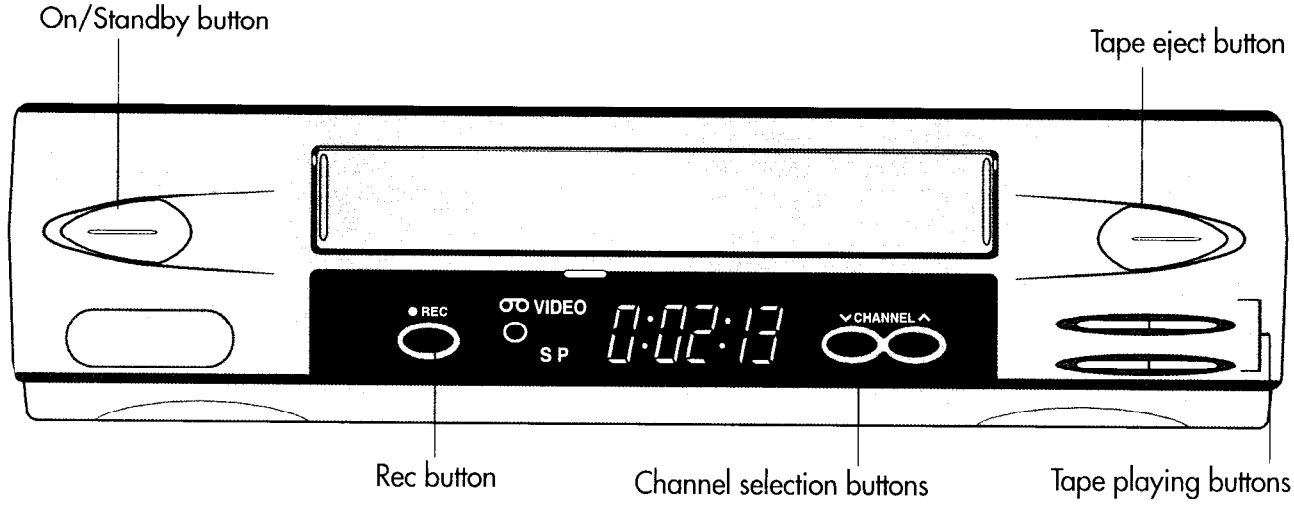
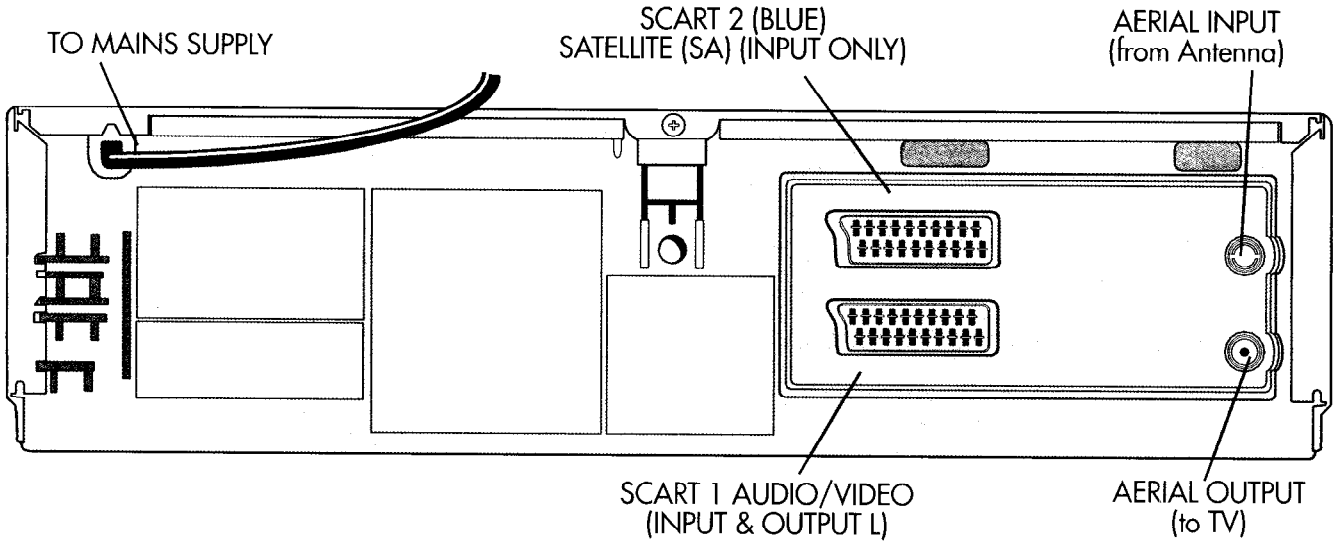
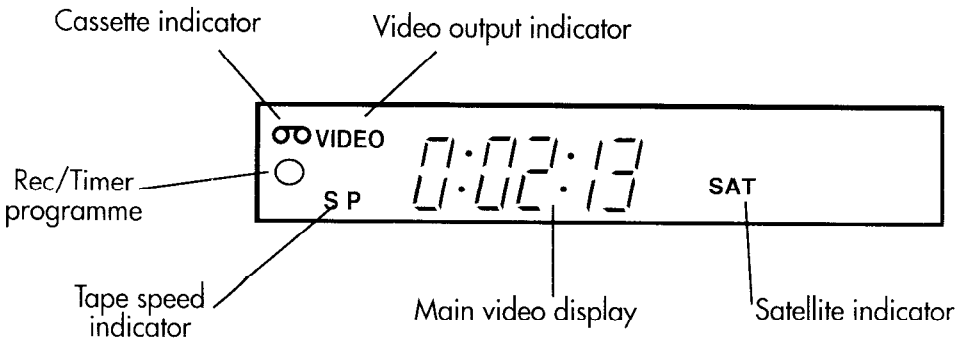
General Identification of the VTR Controls

Please note: Illustrations throughout are of the V-429B model.

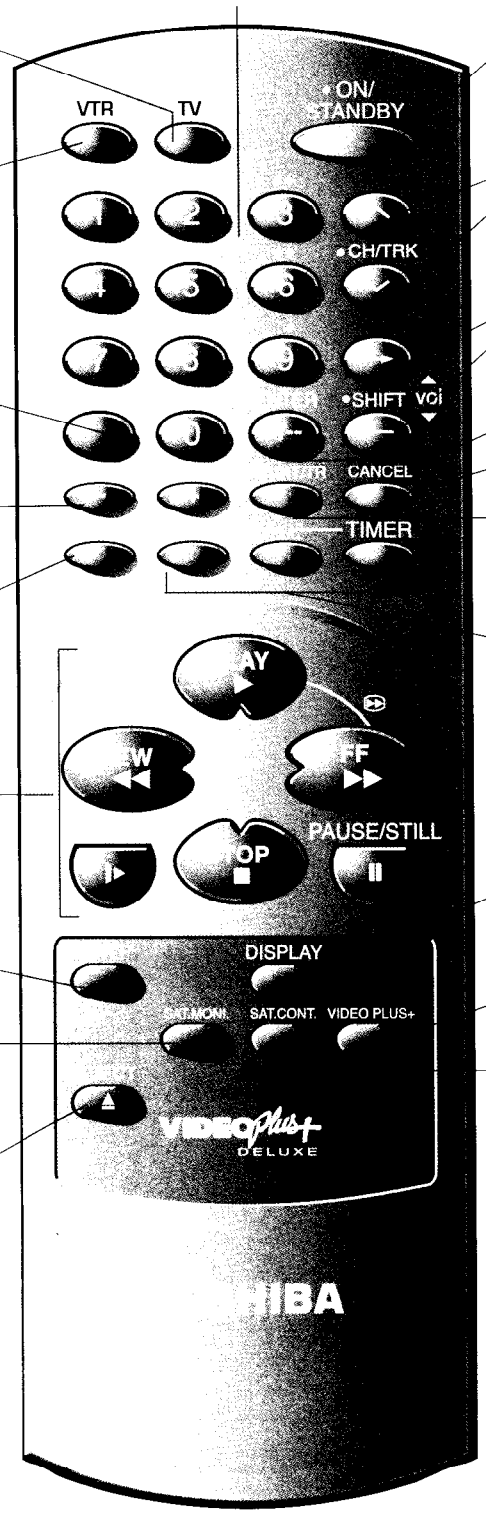






Your Remote Control

The illustration below is to show a quick guide to the Remote Control. Detailed instructions occur throughout the book.



Numbered buttons

TV use to control the TV Functions indicated with a yellow dot

VTR use to control the VTR

INPUT SELECT
To select video source

INDEX buttons
For Search, Rew/FF

MENU
To bring up the green MAIN MENU

Tape playing buttons
AY, **REW** (rewind), **FF** (fast forward), **SLOW** (slow motion playback), **PAUSE/STILL** (holding an image on screen)

SP/LP
To select tape speed

SATELLITE MONITOR
For model V-829B only

EJECT
To eject a tape

ON/STANDBY

CHANNEL/TRACKING
Channel: To find the required television station, up or down one station at a time/ **Tracking:** To optimise the picture and sound on VTR playback

SHIFT left/right (VTR mode)
To go left/right across the selected menu screen items and **VOLUME up/down (TV mode)**

ENTER/ 1 or 2 digit channel selection

CANCEL
To cancel any programmed information

COUNT/TR
Selects tape counter display or clock

TIMER/REC
Timer and recording buttons

DISPLAY
To display the tape indicators on the television screen

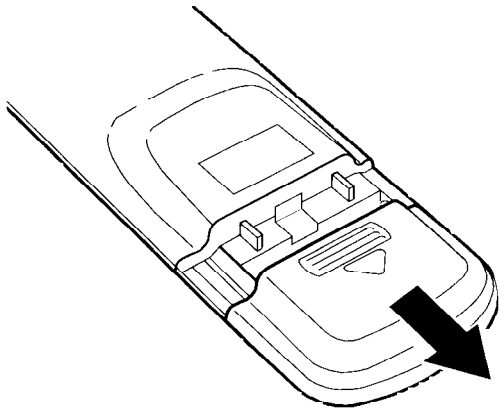
VIDEO Plus+
To record programmes with PlusCodes from TV listings

SATELLITE CONTROL
Controlling the Satellite

Preparing your Remote Control

The Remote Control handset is needed to operate your new Toshiba video recorder. If used correctly, it should give years of trouble-free viewing. Please take good care of it, always observing the correct polarities when replacing the batteries.

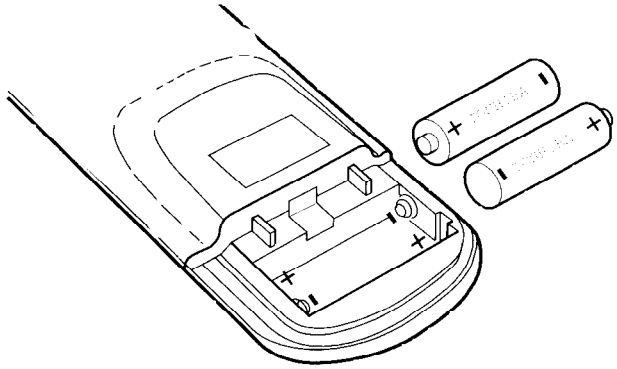
Carefully open the battery compartment on the rear of the Remote Control by sliding in the direction of the arrow.



Insert both batteries taking care to observe the correct polarity (+ and –).

The 2 Toshiba batteries supplied are Cadmium- and Mercury-free (UM-4, AAA, IECR03, 1.5v).

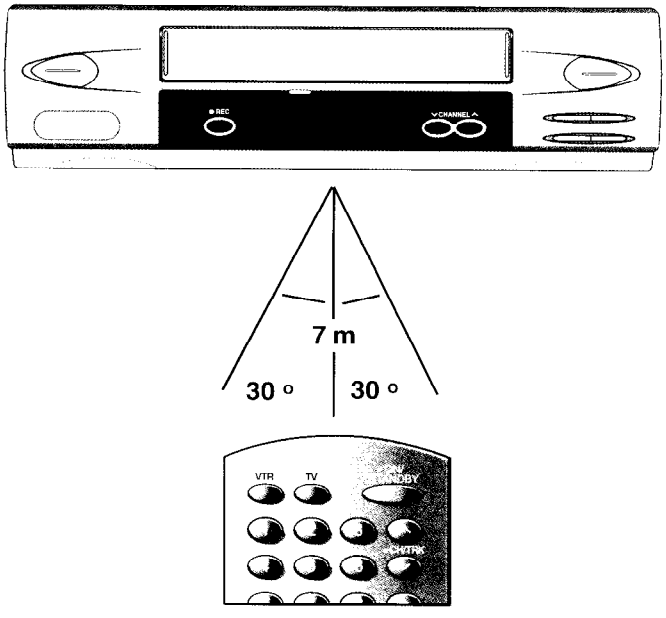
Replace the cover of the battery compartment.



CAUTION:
DO NOT throw your batteries into a fire.
Dispose of your batteries in a designated disposal area.
DO NOT mix an old battery with a new one.
DO NOT mix battery types.

For optimum performance your Remote Control will operate within a distance of 7 metres and up to 30° from the central position.

If the Remote Control does not work, press the VTR button and make sure the batteries are in good working order.

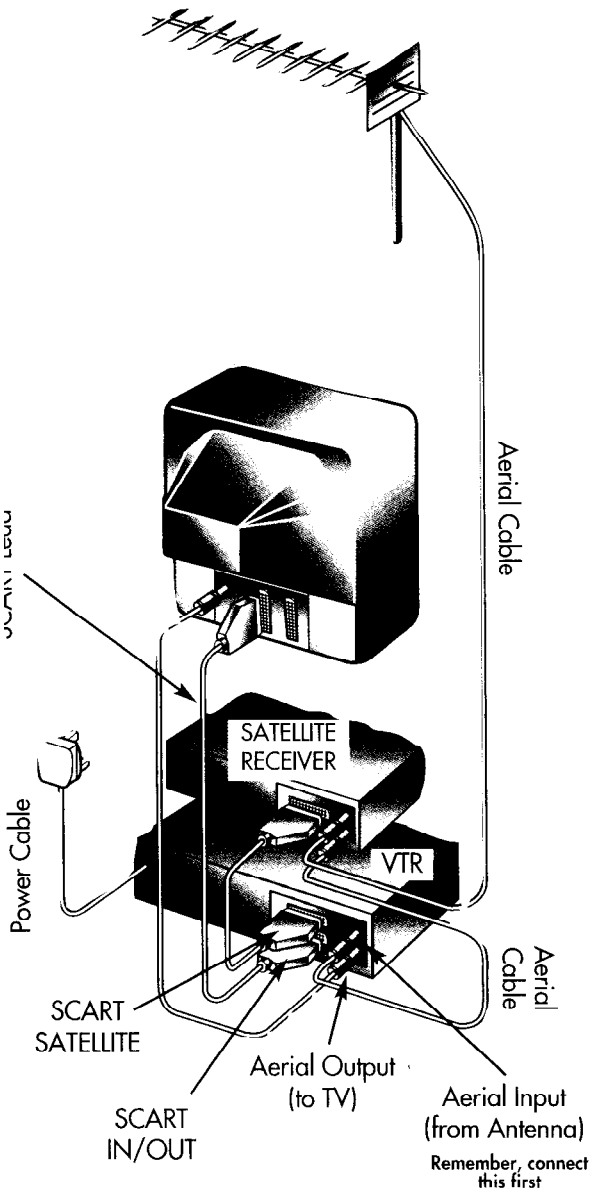


Connecting the Leads and Auto Set Up

When *first* connected to the mains electricity supply the VTR will automatically search and store TV stations in memory and also set the clock. But remember, you *must* connect the Aerial ***before*** connecting the VTR to the power supply.

Satellite users: Refer to section *SATELLITE CONTROL* starting on page 26.

REMEMBER:
DO NOT PLUG THE VTR INTO THE MAINS UNTIL *AFTER* YOU HAVE CONNECTED THE AERIAL CABLE AS SHOWN.



NOTE: WHERE POSSIBLE, ALWAYS CONNECT USING A SCART LEAD FOR IMPROVED SOUND AND PICTURE QUALITY.

1 Connect the Aerial Cable to the VTR (Aerial Input).

2 Connect another Aerial Cable from the VTR (Aerial Output) to the TV.

3 Connect a SCART Lead from the VTR to the TV as shown. Connecting via a SCART Lead will give better picture and sound quality. It will also enable the television to automatically switch over whenever a tape is played.

4 Connect the VTR to the power supply with the Power Cable.
The display on the VTR will flash 'AUTO' for about 2-4 minutes.

5 Now turn on the television.

If you have connected with a SCART Lead you will see various television stations appear and disappear on your television.

Now turn the page to continue the Auto Set Up...

If you get any problems contact the helpline...

Auto Set Up continued

After connecting the Leads as on *page 7* and Auto Set Up has run, *one* of the following screens will be displayed. **If not, select the AV channel on the television manually**. If you have not connected the VTR using a SCART Lead select the channel on the TV that you normally watch videos on and tune this channel until you find one of these screens. Store this channel and select it every time you watch a video.

For full details of tuning your TV, please refer to your TV Owner's Manual.

1

This screen will be displayed if **All Channels Found**. The numbers in the right hand column may be different.

Auto Set Up is now complete.

Press the MENU button twice on the Remote Control to automatically set the clock.

Go to page 9, Checking the Auto Set Up.

AUTO SET UP

	CH P.	CH
BBC1	1 :	22
BBC2	2 :	28
ITV	3 :	25
CH4	4 :	32
C5	5 :	30

Auto Set Up Now Completed
Press MENU to Exit And Automatically Set Clock

Channel 5 is only available in some areas of the country (and the reception may be poor). If Channel 5 is not stored in position 5 check to see if it is stored in 7 or above and use the Channel Swapping *function as detailed on* Page 10. *If Channel 5 has not been stored and all other channels have been, it is likely that channel 5 is not available in your area.*

2

This screen will be displayed if **Some Channels Found.**

The VTR has been unable to find the channels identified by the white flashing squares. They may be stored in positions 7 and above.

Press the MENU button and refer to *Channel Swapping on page 10.*

AUTO SET UP

	CH P.	CH
BBC1	1 :	22
BBC2	2 :	▬▬
ITV	3 :	25
CH4	4 :	32
C5	5 :	▬▬

Stations not identified
Check CH P.7 and above by pressing MENU

If no channels are found the clock will not set automatically.

Press the MENU button and select CLOCK SET from the green MAIN MENU screen.

Using the number buttons on the Remote Control set the clock.

For single numbers press 0 first.
E.g. for April, which is 4, press 0 4.

Once the Date and Time have been set press the MENU button to exit.

3

This screen will be displayed if **No Channels Found.**

The VTR has been unable to find any channels.
Check that the Aerial is connected correctly and press the number button 0 on the Remote Control.

If no channels are found a second time, *see page 12, Manual Tuning.*

AUTO SET UP

	CH P.	CH
BBC1	1 :	--
BBC2	2 :	--
ITV	3 :	--
CH4	4 :	--
C5	5 :	--

Check aerial is connected and press 0 to try again

AUTO SET UP

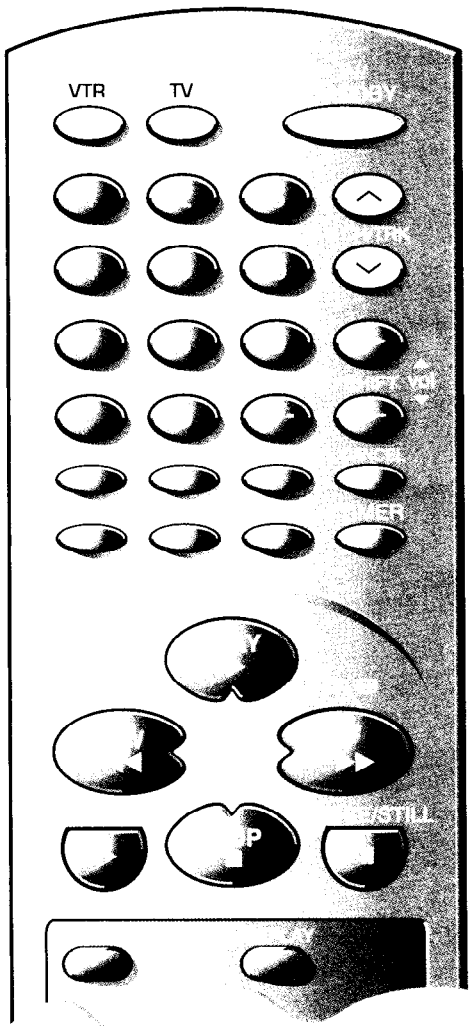
	CH P.	CH
BBC1	1 :	22
BBC2	2 :	▬▬
ITV	3 :	25
CH4	4 :	32
C5	5 :	▬▬

Still not working
Use manual tuning.
Press MENU to exit

...If you get any problems contact the helpline

Checking the Auto Set Up

It is important that you check Auto Set Up has stored the channels in the correct order on the VTR for the operation of VIDEOPlus+.



Note: *Regional variations* – from some areas of the country you may be able to receive broadcasts from more than one region.

If your preferred regional broadcast is stored in position 7 or above please use the *Channel Swapping* facility as described on *page 10.*

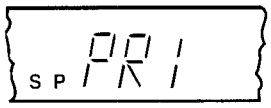
1 Turn on the TV and select the channel on which you watch videos.

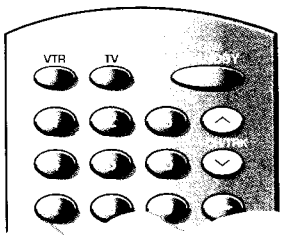
2 Now turn on the VTR.

3 Using the **CH/TRK** ∧ ∨ buttons on the Remote Control, check that the order of the TV stations (the programme position number) stored on the VTR is as follows:

The programme position number will change as you press the **CH/TRK** ∧ ∨ buttons.

Programme position number





Program Position	TV Station
1	BBC1
2	BBC2
3	ITV
4	Channel 4
5	Channel 5*
6	Satellite

(if you use a different order VIDEOPlus+ *will not work)*

Any other stations will be stored in program positions 7, 8, etc.

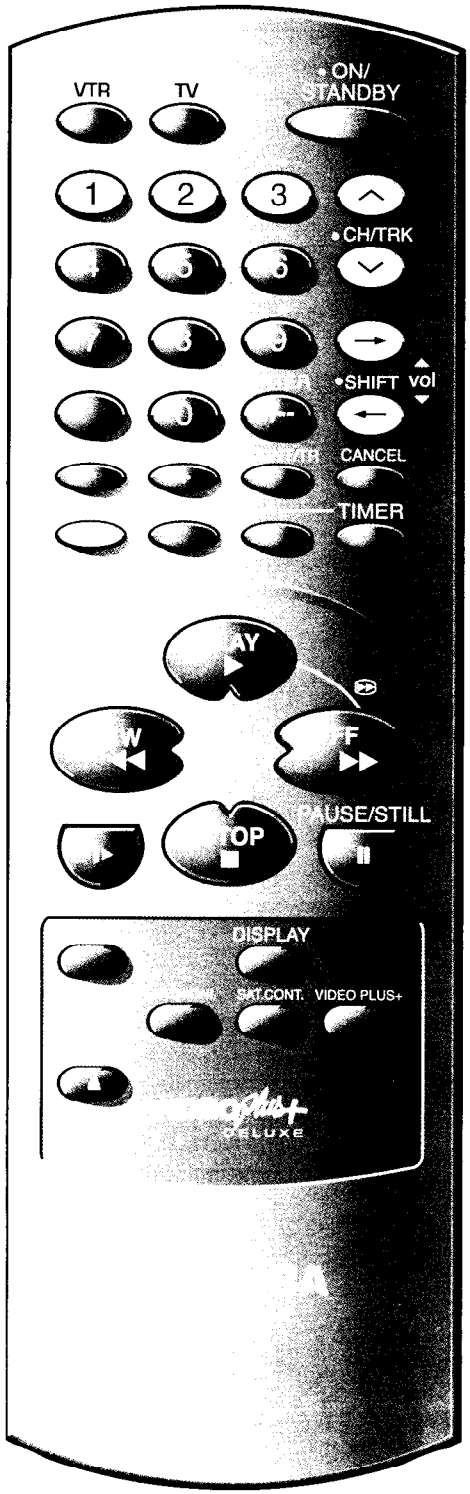
**Channel 5 is only available in some areas of the country (and the reception may be poor). If Channel 5 is not stored in position 5 check to see if it is stored in 7 or above and use the* Channel Swapping *function as detailed on* Page 10. *If Channel 5 has not been stored and all other channels have been it is likely that channel 5 is not available in your area.*

THE SET UP IS NOW COMPLETE

You are now ready to PLAYBACK TAPES and MAKE RECORDINGS.
Refer to the *BASIC OPERATION* section which starts on *page 14.*

Channel Swapping

You only need to use this section if the VTR did not tune in all of the stations in Auto Set Up or if you want to select a different regional Broadcast on a channel position.



1 Press the MENU button on the Remote Control to select the green MAIN MENU.

MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1~5 to select
Press MENU to exit

2 Press button 3 to select the blue INSTALLATION MENU.

INSTALLATION MENU
1 AUTO SET UP
2 MANUAL SET UP
3 SATELLITE SETTING
SAT. CONNECTION (I P.)
SAT. BRAND NO. (17)
4 VIDEO PLUS+ GUIDE CH
Press 1~4 to select
Press MENU to exit

3 Press button 2 to select the blue MANUAL SET UP screen.

MANUAL SET UP
1 CH SWAPPING
2 MANUAL TUNING
3 RF OUT CHANNEL (21)
Press 1~3 to select
Press MENU to exit

4 Press button 1 to select CH SWAPPING. The Channel Swapping screen will appear superimposed over the TV picture.

5 Press the **CH/TRK** ∧ or ∨ button on the Remote Control to find the station required (CH P.). The picture on the TV will change as you move up and down the channels.

6 *E.g. If you were to find Channel 5 stored in position 7:* Select the new channel position (NEW CH P.) using the number buttons on the Remote Control, *e.g.* for *5* press number buttons 0 and 5.

CH SWAPPING
CH P. 7 → NEW CH P. 5
CH P. ∨/∧ to find station
Select NEW CH P. press 0~9
Press SHIFT→ to swap
Press MENU to exit

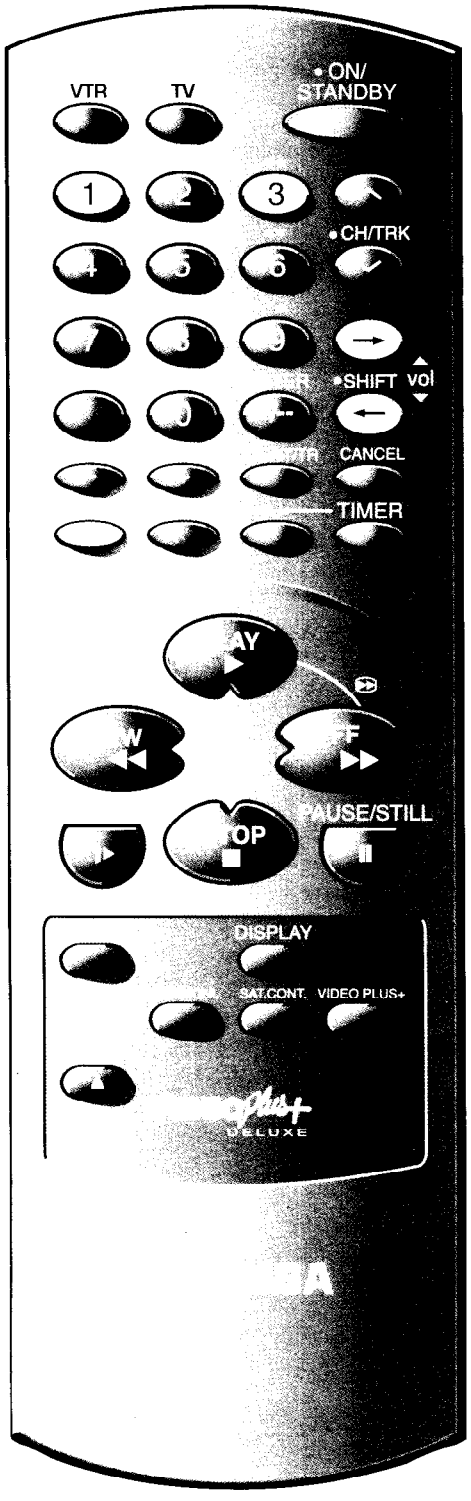
7 Press **SHIFT** → to swap the channels.
The station now displayed has been saved in the channel position indicated on screen.

8 Continue for all the other channels to be swapped. When all the missing stations have been found press the MENU button to exit and *see page 9, Checking the Auto Set Up.*

Restarting Auto Set Up

If you ever need to re-run the Auto Set Up process, for example, if you move house, carry out the connections as detailed on *page 7* and re-start as described here.

If the Auto Set Up does not work check the Aerial connection to the VTR and from the VTR to the TV.



1 Press the MENU button on the Remote Control to display the green MAIN MENU on the screen.

MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING

Press 1~5 to select
Press MENU to exit

2 Press button 3 to select the blue INSTALLATION MENU.

INSTALLATION MENU
1 AUTO SET UP
2 MANUAL SET UP
3 SATELLITE SETTING
SAT. CONNECTION (I P.)
SAT. BRAND NO. (17)
4 VIDEO PLUS+ GUIDE CH

Press 1~4 to select
Press MENU to exit

3 Press button 1 to select AUTO SET UP.

The AUTO SET UP screen comes up.

AUTO SET UP

	CH P.	CH
BBC1	1 :	22
BBC2	2 :	28
ITV	3 :	25
CH4	4 :	32
C5	5 :	30

Press SHIFT→ to search
Press MENU to exit

4 Press **SHIFT** → to start AUTO SET UP.

5 Refer to *page 8* and follow the relevant steps for the screen displayed, depending upon the result.

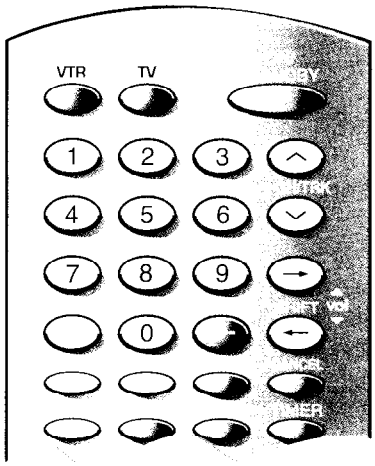
...If you get any problems contact the helpline

Manual Tuning and Cable TV Installation

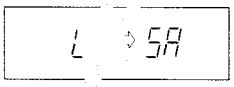
Manual Tuning is available as a back-up if Auto Set Up does not work due to poor Broadcast Reception. When using Manual Tuning you will need to use the information on both of the TV screen and the VTR front display panel.

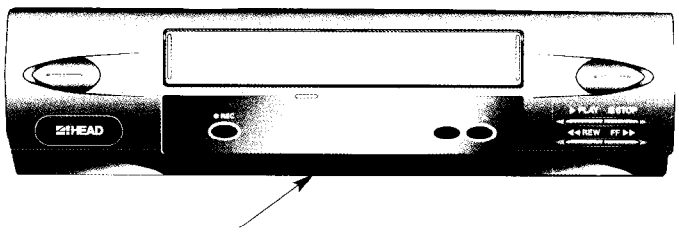
Note: Some Cable systems send all their TV and Satellite programmes on one channel only. If you have this type of system you should tune in one Position number on the video and then use the Cable Box to select the chosen channel to record.

BBC1:	Position number **1**
BBC2:	Position number **2**
ITV:	Position number **3**
CHANNEL 4:	Position number **4**
CHANNEL 5:	Position number **5**
Satellite/Cable:	Position number **6**



Note: The VTR must display a position *number* before tuning in can start. Remove any tape and if L or SA is displayed press the INPUT SELECT button on the Remote Control so that a position number *is* displayed.





PR. = Programme Position number on the VTR

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 3 to select the blue INSTALLATION screen.

3 Press number button 2 to select the blue MANUAL SET UP screen and then 2 again for MANUAL TUNING.
Press the **SHIFT** → or ← to highlight the program position you wish to tune, then press the **CH/TRK** ^ ˇ repeatedly until you find the channel you wish to store. The TV will display the programme as you search.

4 When the correct TV signal is showing repeat step **3** for the other TV stations and for the Satellite stations if your Satellite receiver is not connected by a SCART Lead.

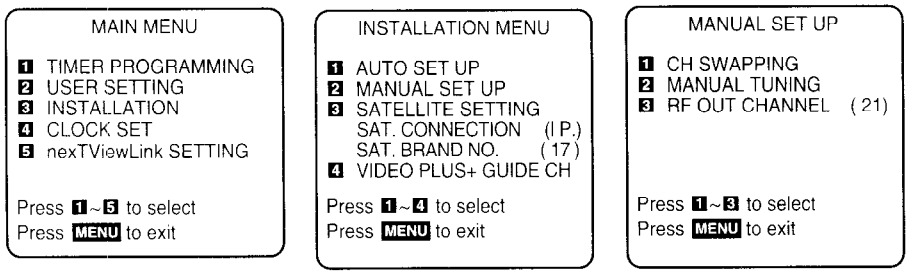
5 Press the MENU button on the Remote Control to exit. Channel Tuning is now complete and you can select a television programme by the position number on which the TV station is stored.

The 'Range' option has no function in the UK.

Additional RF Tuning Information

In some areas of the country you may experience interference from other broadcast stations or from other AV equipment. This may be reduced or eliminated by choosing to turn OFF the RF output from your VTR.

If a SCART Lead has been used as detailed in the GETTING STARTED section and you are experiencing problems with interference from other equipment or channels, you can turn OFF the RF output:



1 Press the MENU button on the Remote Control to display the green MAIN MENU.

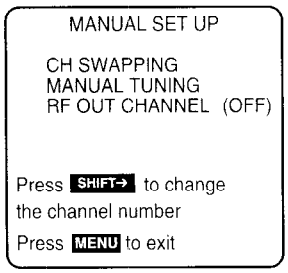
2 Press number button 3 to select the blue INSTALLATION MENU.

3 Press button 2 to select MANUAL SET UP.

4 Press button 3 to select RF OUT CHANNEL.

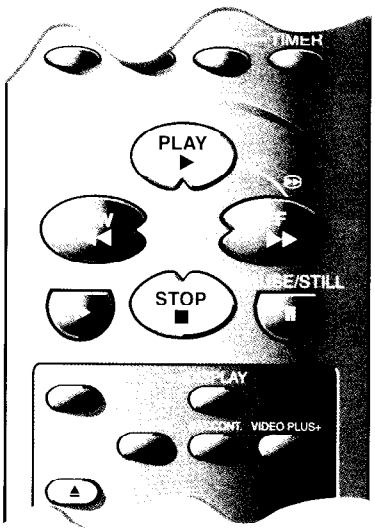
5 Press **SHIFT** → or ← until OFF appears in the RF OUT CHANNEL option.

6 Press MENU to exit.
If you still believe you are having interference problems, consult your dealer or ring the Toshiba Helpline.



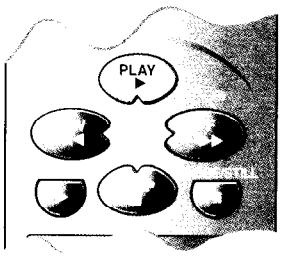
Watching a Pre-Recorded Tape

If you insert a commercially pre-recorded tape, it will automatically start to play. If you have not used a SCART Lead you will first need to select the channel on the television that you watch videos on (refer to Additional RF Tuning Information on page 13). The VTR is fitted with an autohead cleaner which automatically cleans the video heads during playback.

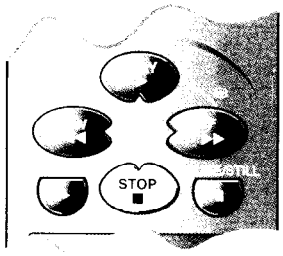


1 Insert a tape with the clear window facing upwards. The 'video cassette loaded' ⊂⊃ symbol will appear on the VTR front display.

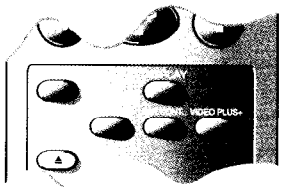
2 To play the tape, press the PLAY button on the Remote Control.

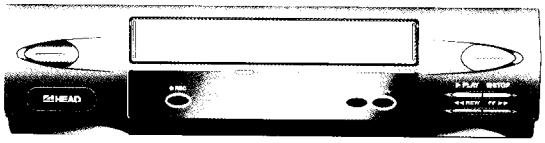


3 To stop the tape press the STOP button on the Remote Control.

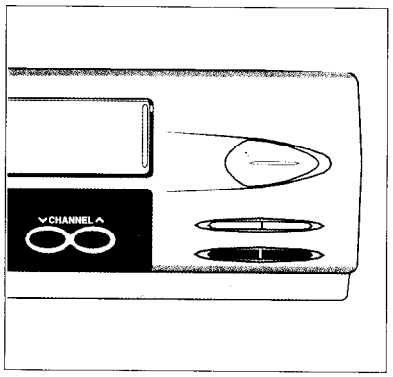


4 To eject a tape press the EJECT button on the Remote Control.





1 To play the tape, press the PLAY button on the front of the VTR.



2 To stop the tape press the STOP button.

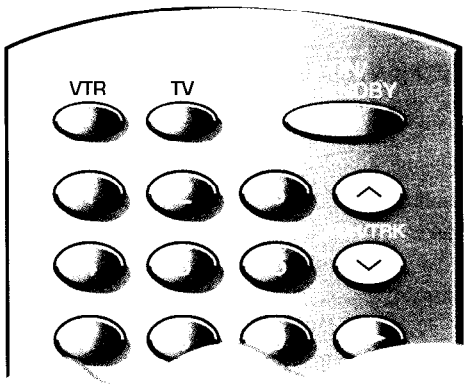
3 To eject the tape press the EJECT button.

Tracking

As each VTR is different, slight adjustments need to be made in the way the tape is read. This is called 'Tracking.'

When playback starts the video recorder automatically adjusts the Tracking to obtain the best possible picture and sound; Digital Auto Tracking. The DT (Digital Tracking) indicator will flash while this adjustment takes place and the playback picture and sound may be distorted. The VTR will automatically adjust the Tracking as best it can.

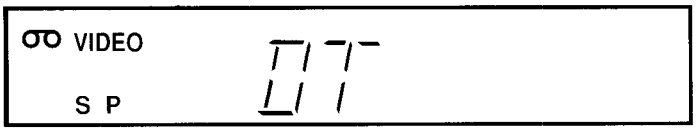
If you playback rented tapes or tapes recorded on other machines, you may occasionally find that the Digital Auto Tracking is not able to improve the picture sufficiently. In these instances you will need to adjust the Tracking manually.



To manually adjust Tracking

1 With a tape in and playing, hold down either the **CH/TRK** ^ or v button on the Remote Control until the best possible picture and sound is obtained.

2 To resume Automatic Digital Tracking, press the two **CH/TRK** buttons on the Remote Control.



3 If the tape is old or worn, it may be impossible to improve the picture performance.

If you press the PAUSE/STILL button the image may shimmer. This may also be reduced by adjusting the Tracking.

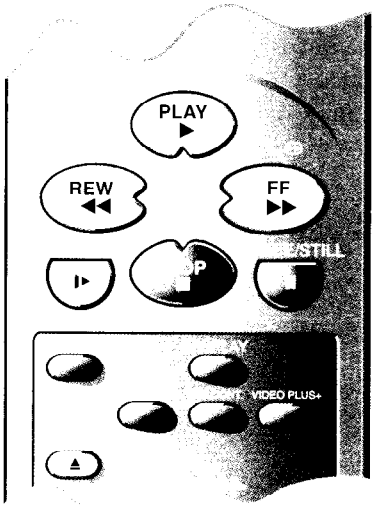
Variable Speed Playback

When viewing a tape it can be played at various speeds. This is called Picture Search.

As well as normal playback, you can view a tape at various speeds.

When watching a tape, you can look for a particular scene by pressing either the FF or REW button or view the tape in slow playback using the SLOW button. In Picture Search, the quality of the image may deteriorate. If you view a tape recorded in Long Play (LP) mode, or recorded on another VTR, the picture quality may be poor or even in black and white.

Improvements can sometimes be made by adjusting the Tracking, *see page 15.*



When in Picture Search or Slow Motion, the quality of the image may deteriorate.

Picture Search enables you to Fast Forward or Rewind and look for a particular part of a tape.

1 Press PLAY, the VTR will enter normal play mode.
While in play, press and release the FF (or REW) button.
The VTR will search at 5 times the normal playback speed.

2 To return to normal playback mode, press the PLAY button.

3 If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. Releasing the FF button will return the VTR to search at 5 times the normal speed. To return to normal playback mode, press the PLAY button.

4 While in Picture Search mode, if you press the FF button again, the VTR will enter normal Fast Forward mode.

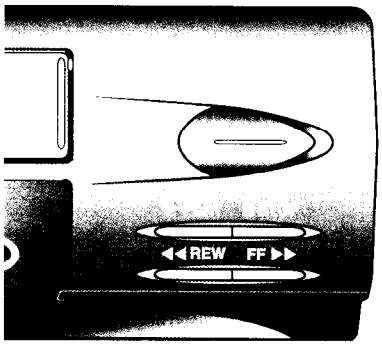
5 Likewise, while in Picture Search REW mode, if you press the REW button again, the VTR will enter normal Rewind mode.

6 If, when Rewinding (REW) or Fast Forwarding (FF), you press the REW (or FF) button, the VTR will enter the Picture Search mode.

7 To view a tape in Slow Motion, when in PLAY, press and release the SLOW button on the Remote Control. The playback will slow down to 1/6th of normal speed.
If you press the SLOW button once again, the playback will slow down to 1/12th of normal speed.

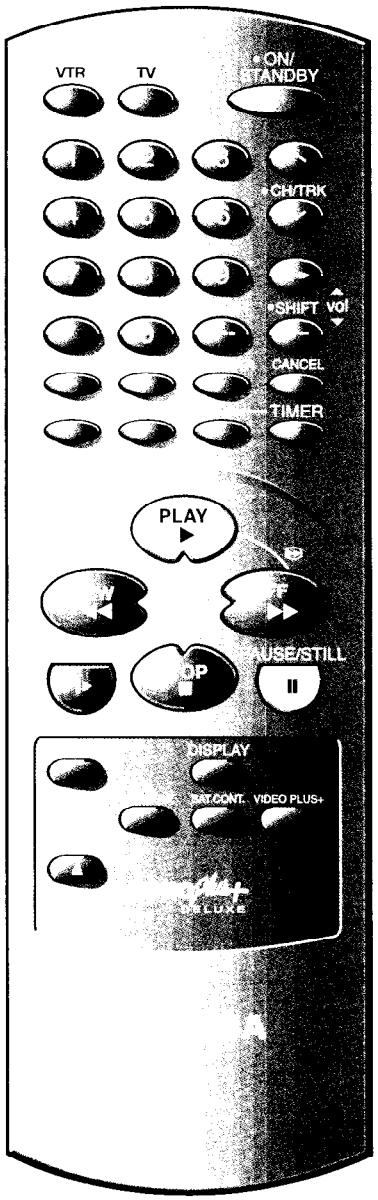
8 Press PLAY to resume normal playback.

1 When in PLAY mode press the FF (Fast Forward) or REW (Rewind) button on the front of the VTR. The VTR will search at 5 times the normal playback speed. If you press and HOLD down the FF (or REW) button the VTR will search at 9 times the normal speed. If you release the button, the VTR will enter normal Fast Forward/ Rewind speed.
To return to normal playback, press PLAY.



Trick Play Functions

Holding images and advancing frames on the screen.



1 When in PLAY, if you want to hold an image on screen, simply press the PAUSE/STILL button.

This will freeze the frame for about 5 minutes.

2 To advance one frame at a time, press and release the PLAY button.

3 Press and hold the PLAY button.

To resume PLAY, press the PAUSE/STILL button again.

Note : If left unattended for about 5 minutes in the Picture Still mode, the Freeze Frame will cancel and the VTR will revert to PLAY.

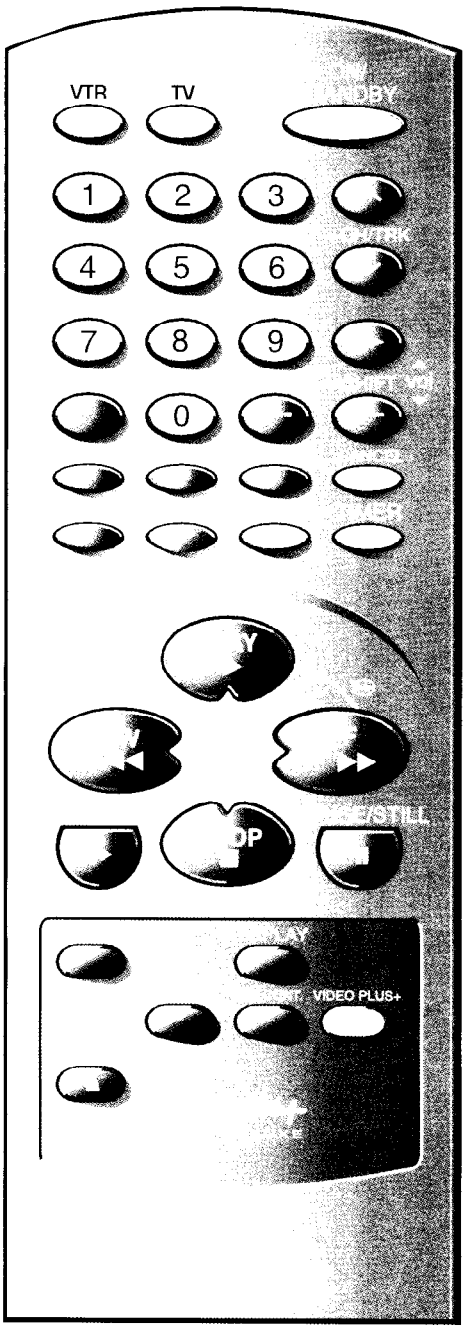
Note: Fast moving images may shimmer when Freeze Frame is selected. This can sometimes be reduced by adjusting the Tracking, *see page 15.*

Due to the nature of 2 head technology (V229B), pause and slow motion will have interference. This is greatly improved with 4 head (V429B).

VIDEOPlus+

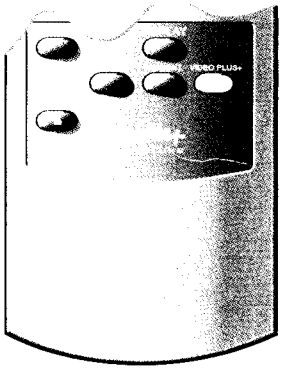
VIDEOPlus+ is the easiest way to record TV programmes, using short numerical codes. The PlusCode programming numbers shown in most TV listings pages, tell the video recorder when to start and stop recording a particular programme. These numbers appear after the programme description.

Videoplus+ and Pluscode are trademarks of GEMSTAR development corp. Videoplus+ system is manufactured under license from GEMSTAR development corporation.



***PDC WARNING PLEASE NOTE:**
If you have selected PDC ON (see page 23) do not change the advertised start time of the programmes or the video will not record.

1 *Before you begin:* Turn on the VTR and the TV.
Ensure the clock is set correctly.
Make sure that the TV stations have been stored correctly on the VTR as in the order shown on *page 12*.



2 Press the VIDEOPLUS+ button on the Remote Control.

3 Enter the PlusCode, using the number buttons on the Remote control. *E.g.* to record a TV programme with a PlusCode of *1234*, press *1234*. Check that you have entered the numbers correctly and press the VIDEOPLUS+ button to confirm. If you make a mistake, simply press the CANCEL button and re-enter the PlusCode.

PLUSCODE ( )
Enter PLUSCODE and
press VIDEO PLUS+
to confirm
Press CANCEL to cancel
Press MENU to exit

4 You are now prompted to confirm how many times you want to record this event – *i.e.* ONCE, DAILY or WEEKLY, *e.g.* ONCE, Press 1.

PLUSCODE (1234)
Select rec frequency
1 ONCE
2 DAILY (MO ~ FR)
3 WEEKLY
Press 1~3 to select
Press CANCEL to cancel
Press MENU to exit

5 The TV will now confirm the programme information that relates to the PlusCodes entered, along with the recording defaults, *e.g.* PDC ON/OFF* and the tape speed: 1 for SP (Standard Play) or 2 for LP (Long Play).

If you wish to change the speed use SHIFT → and move to SPD, then press 1 for short play or 2 for long play.

14:39 5.11. '98 TH
CH DATE ON OFF SPD
1 2 ONCE 3 16:45 ~17:45PDC SP
2
3
4
5
6
Press 1~6 to select
Press TIMER to record

6 If you wish to enter another **VIDEOPlus+** recording press the VIDEOPLUS+ button again and repeat steps **3** to **4.**

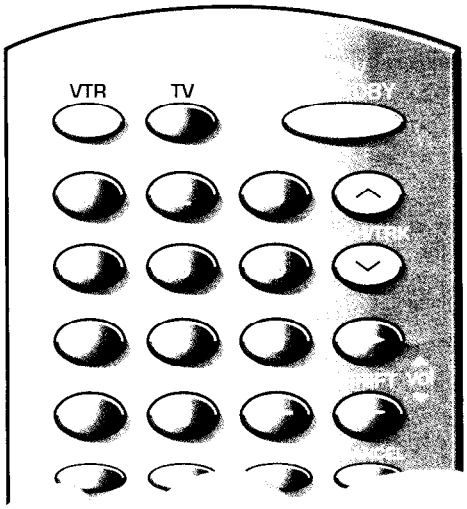
7 If OK, press the two TIMER buttons at the same time. The TIMER indicator on the front panel of the VTR will light up.

To cancel the Timer, press the two Timer buttons again, then the ON/STANDBY button.

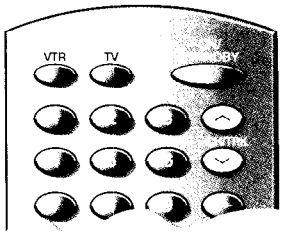
Recording a TV programme

Recording the selected video channel at the touch of a button.

One Touch Recording enables you to record what is currently showing.

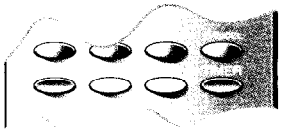


1 Turn on the VTR and select the desired channel number using the **CH/TRK** ^ v buttons on the Remote Control.



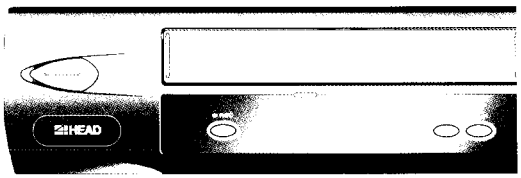
2 Insert a video tape.

3 To record what is currently showing, simply press the two REC buttons on the Remote Control.



A red dot will be displayed below the 'video cassette loaded' symbol.

This will set the VTR to record until either the STOP button is pressed or the end of the tape is reached.

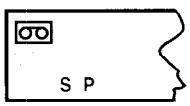


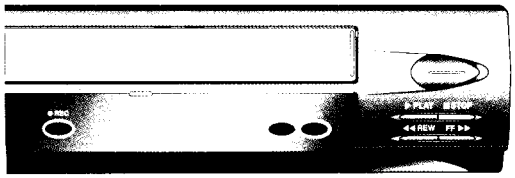
1 Turn on the TV and select the video channel.

2 Turn on the VTR and select the desired channel number using the ^ v buttons on the front of the VTR.

3 Insert a video tape. Press the REC button.

A red dot will be displayed below the 'video cassette loaded' symbol on the front of the VTR.



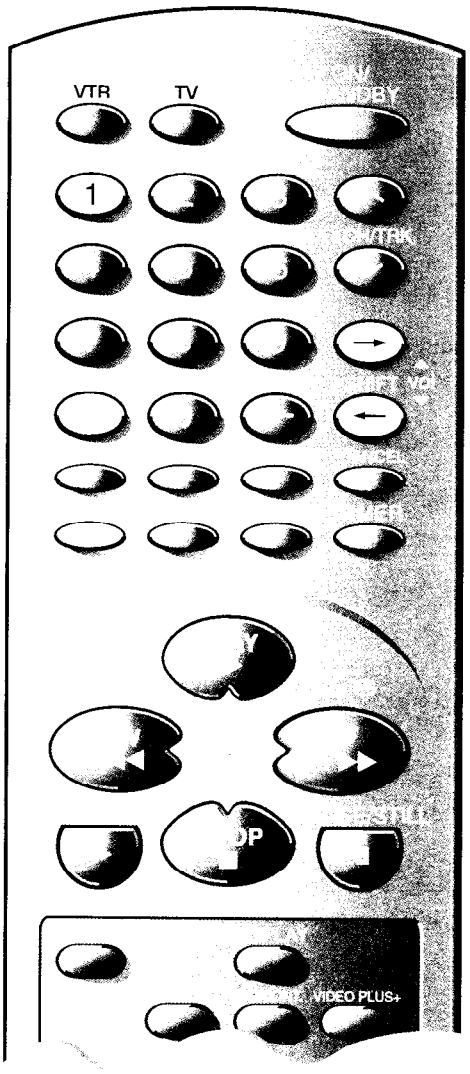


The VTR will continue to record until the STOP button is pressed or the tape runs out.

Using On-Screen Programming

Before recording a television broadcast, the clock, date and year must be correct. By setting the 'ADJUST CLOCK' on, see page 24, the VTR will check and correct the clock each morning at 8am provided the VTR is in Standby.
Note: Use the **SHIFT** → or ← buttons on the Remote Control to the move the cursor forwards or backwards. If you make a mistake, simply press the **SHIFT** ← button to move back and re-enter the number.

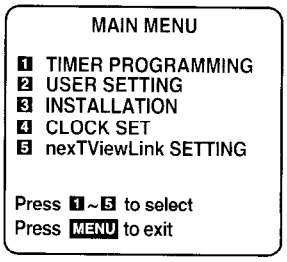
Timer recordings can easily be made using the On-Screen Programming function. Up to 6 timed events can be set for up to one month in advance.



To cancel any programmed information, select TIMER PROGRAMMING from the green MAIN MENU and, with the event number highlighted *e.g. 1*, press the CANCEL button to clear the programmed information.

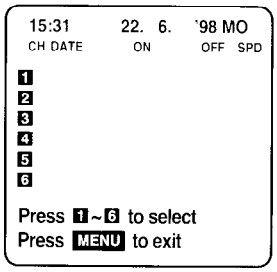
***PDC WARNING PLEASE NOTE:**
If you have selected PDC *ON* (*see page 23*) do not change the *advertised* start time of the programmes or the video will *not* record.

1 Press the MENU button to display the green MAIN MENU.

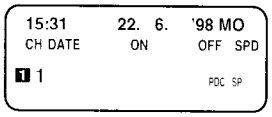


2 Press number 1 to select the blue TIMER PROGRAMMING screen.

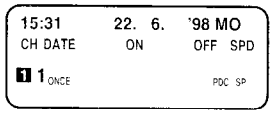
3 Select the first available event (usually position 1, there are 6) using the numbered buttons on the Remote Control, *e.g. Button 1 for position 1.*



4 Follow the prompts at the bottom of the screen. Select the channel position number *e.g. 01 for Channel 1* using the number buttons. If you want to record from L or SA, press the INPUT SELECT button on the Remote Control (*see page 4* for appropriate Input): L = SCART; SA= SATELLITE.

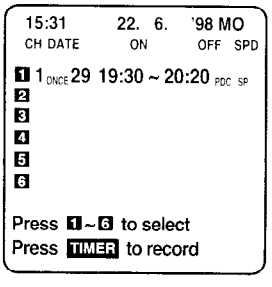


5 Confirm how many times you want to record this event, *i.e.* ONCE, DAILY, or WEEKLY. Press 1, 2 or 3 accordingly. Confirm the day if appropriate.

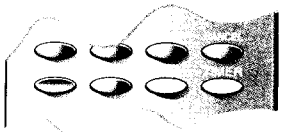


6 Set the date you want the recording to take place, *e.g.* 29 for the 29th. The VTR can record up to 1 month in advance. All you need to do is simply put in the date (NOT the month) and the VTR will store the information.

7 Set the recording START time and FINISH time, using the number buttons on the Remote Control. *E.g.* START 1 9 3 0 FINISH 2 0 2 0. Select Programme Delivery Control (PDC*) ON or OFF: number button 1 for ON, 2 for OFF – *see page 23.* Select the desired tape speed 1 for SP (Standard Play) or 2 for LP (Long Play). Repeat for all remaining timed recordings that you wish to make.



8 Press BOTH THE TIMER buttons on the Remote Control at the same time. The VTR switches to 'Timer On' mode. If you wish to turn the Timer off for any reason simply press the 2 TIMER buttons again. Don't forget to put it back in Timer mode, or it will not make a recording.

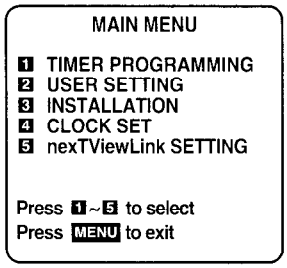


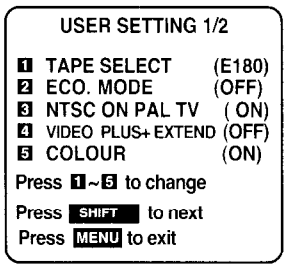
User Settings – Tape Select and Eco Mode

Presetting the video to your chosen recording defaults using the *USER SETTING* screen from the green MAIN MENU.

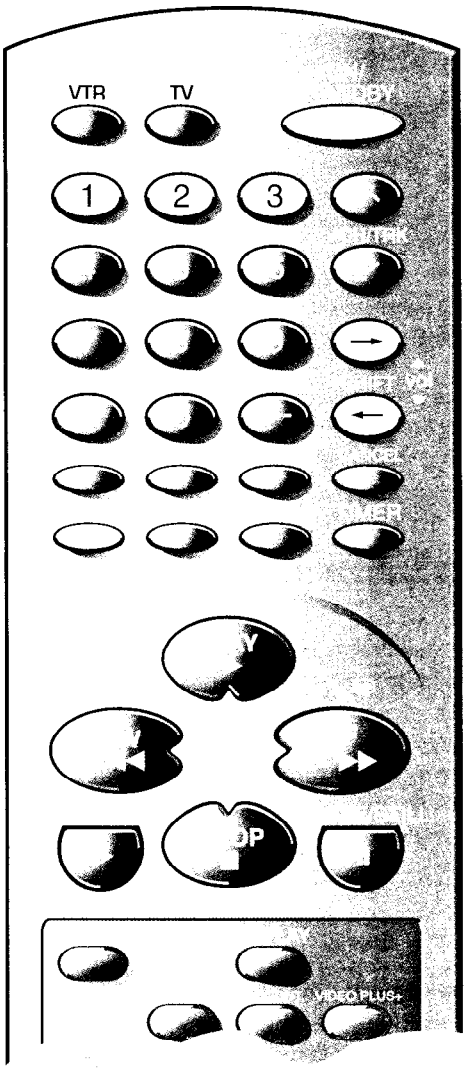
The USER SETTING screen has 2 displays.

By pressing **SHIFT** ➡ whilst on the USER SETTING **1/2** screen you will progress to the USER SETTING **2/2** screen. Press **SHIFT** ⬅ and you will go back to USER SETTING screen **1/2**.




USER SETTING 1/2
1 TAPE SELECT (E180)
2 ECO. MODE (OFF)
3 NTSC ON PAL TV (ON)
4 VIDEO PLUS+ EXTEND (OFF)
5 COLOUR (ON)
Press 1~5 to change
Press SHIFT to next
Press MENU to exit

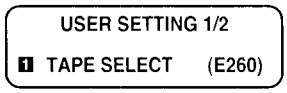
Note: If you suffer a power failure the settings will need to be reset.



Note: Ensure you connect the VTR to the television using a SCART Lead.

If you wish to use the tape counter to display the time remaining on a cassette, you must indicate the type of cassette inserted. Standard Play gives a better quality picture and sound. For the VTR to able to calculate you must first tell it what length of tape is in the VTR.

1. Press the MENU button on the Remote Control to display the green MAIN MENU.
2. Press number button 2 to select the USER SETTING 1/2 screen.
3. Press number button 1 repeatedly to select between (E180), (E240), (E260) and (E300).

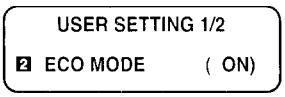


4. Having selected the length of tape that is in the VTR, press the MENU button twice to exit..

ECO MODE is useful if you already have a clock display e.g. on another Set Top Box, to save energy and for security. Without the clock display, the VTR is more difficult to spot in the dark.

In normal Standby mode the display on the front of the VTR shows clock. When ECO MODE is on this light turns red.

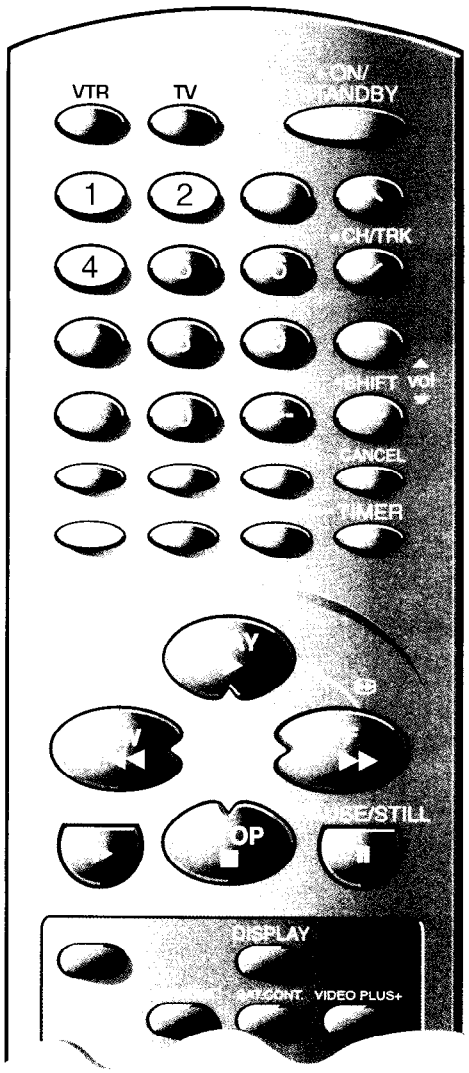
1. Press the MENU button on the Remote Control to display the green MAIN MENU.
2. Press number button 2 to select the USER SETTING 1/2 screen.
3. Press button 2 to turn ECO MODE ON. Now, when the VTR is in Standby mode the front display panel will shut off. Even the clock disappears. By pressing the Standby button again on the Remote Control the display panel will reappear.



4. Press MENU to exit.

NTSC on PAL TV, VIDEO Plus+ EXTEND and Colour

Note: If you suffer a power failure the settings will need to be reset.



NTSC is the television standard used in many parts of the world.

See *page 25 NTSC Playback.*

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select the blue USER SETTING screen.

3 Press number button 3 repeatedly to select between ON or OFF.

```
USER SETTING 1/2
3 NTSC ON PAL TV  ( ON)
```

To prevent delays or over-runs the VTR has a function called VIDEO Plus+ EXTEND allowing you to extend the recording time by up to 60 minutes. If PDC is set to ON, this VIDEO Plus+ EXTEND is ignored.

1 As steps 1-2 above and press button 4 repeatedly to set the VIDEO PLUS+ EXTEND time by increments of 10 minutes.

```
USER SETTING 1/2
4 VIDEO PLUS+     ( OFF)
```

2 To turn off, press 4 repeatedly until OFF shows.

To view video tapes in Colour the COLOUR option must be set to ON. However, when viewing black and white tapes you may find that by choosing OFF the picture is improved.

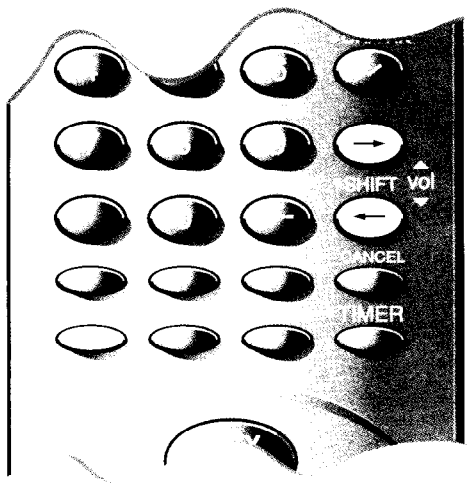
1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select the blue USER SETTING screen.

3 Press number button 5 to select between ON or OFF.

```
USER SETTING 1/2
5 COLOUR          ( ON)
```

Blue Background and PDC



The Blue Background feature will automatically display a blue screen when a blank tape is played, no broadcast signal is received or there is no signal from the selected source, e.g. camcorder is connected but not switched on.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select the USER SETTING 1/2 screen.

3 Press the **SHIFT** ➡ to go to USER SETTING 2/2 screen. Press the number button 1 to turn BLUE BACKGROUND ON.

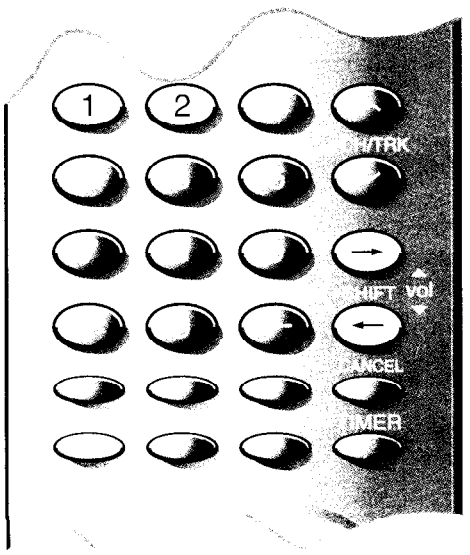
4 Press MENU twice to exit.

USER SETTING 2/2

1 BLUE BACKGROUND(OFF)
2 PDC DEFAULT (OFF)
3 ADJUST CLOCK (ON)

Press 1~3 to change
Press SHIFT ⬅ to previous
Press MENU to exit

PDC only works when the VTR is programmed and in the Timer Mode. If you set the VTR back to Standby before the recording has been made the programme will remain in the VTR's memory. If you fail to set the VTR back to Timer Mode the PDC recording will remain until you cancel/clear the recording; press the MENU button on the Remote Control, choose 1, TIMER PROGRAMMING, select the programme and press the CANCEL button.



Programme Delivery Control is a system of telling the VTR when a programme *actually* starts. Typically, when you want to record a programme you will tell the VTR to start recording, probably, five minutes before the *advertised* starting time of the programme and to finish ten minutes or so after the programme is *due* to finish. So even if the programme starts early or finishes late you will normally still get to see what you wanted to record. However when live programmes over-run or the day's television schedule is changed from that advertised, you may miss the desired programme which may have been delayed or even cancelled. With PDC the VTR will wait until the signal is sent to confirm the programme is starting and the VTR will record the programme *even* if it is two or more, hours late.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press number button 2 to select USER SETTING 1/2.

3 Press **SHIFT** ➡ to proceed on to the USER SETTING screen 2/2.

4 Press number button 2 to select ON in PDC DEFAULT option.

5 Press MENU to exit.

USER SETTING 2/2

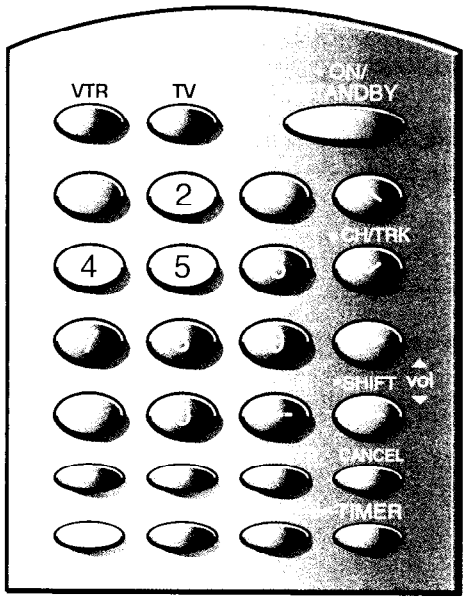
1 BLUE BACKGROUND(OFF)
2 PDC DEFAULT (OFF)
3 ADJUST CLOCK (ON)

Press 1~3 to change
Press SHIFT ⬅ to previous
Press MENU to exit

Note: Currently, not all broadcasters transmit PDC signals and, if you do use PDC you must set the exact advertised start and end times. Not five minutes before and ten minutes after.

User Settings continued
– Adjust Clock, nexTViewLink

You can preset the video to your chosen recording defaults by using the *USER SETTING* screens from the green MAIN MENU.
ONLY USE THESE OPTIONS IF YOU HAVE A nexTViewLink TELEVISION.



Note: Ensure you connect the VTR to the television using a SCART Lead.

nexTViewLink:

In the future, new types of **Teletext** may be available. This Electronic Programming Guide (EPG) will enable you to utilise **nexTViewLink.**
However, before you can use nexTViewLink you must set the VTR to receive information from a nexTViewLink TV.
'TV CH P.DOWN LOAD', the first option will enable you to download the channel order that is stored on your TV.
Having done this, you can then send instructions directly from the nexTViewLink pages.

THESE OPTIONS ONLY WORK WITH A nexTViewLink TELEVISION.

By setting the ADJUST CLOCK to ON there will be no need to adjust the clock manually. This will be automatically carried out for you daily.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

2 Press button 2 to select the USER SETTING 1/2 screen. Press the **SHIFT** ➡ to go to USER SETTING 2/2 screen.

```
USER SETTING 1/2
3 ADJUST CLOCK  ( ON)
```

3 Press button 3 to turn ADJUST CLOCK OFF and press MENU to exit.

1 Press the MENU button on the remote control to select the green MAIN MENU. Press button 5 to select the nexTViewLink SETTING screen.

```
MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING
Press 1~5 to select
Press MENU to exit
```

2 Press number button 1 to select TV CH P.DOWNLOAD. By pressing the number buttons to select the channels, download the channel orders by pressing SHIFT ➡.

3 Having downloaded the channel order you must now instruct the VCR to accept this information. Follow the on screen instructions.

```
nexTViewLink SETTING
1 TV CH P. DOWN LOAD
2 TV PICTURE RECORD (OFF)
Press 1~2 to select
Press MENU to exit
```

4 Press the MENU button to exit TV CH P.DOWNLOAD screen. Now select 2 TV PICTURE RECORD from the nexTViewLink SETTING menu and press number button 2 to change to ON. To turn this facility off, press button 2 whilst in the nexTViewLink SETTING screen.

```
TV CH P. DOWN LOAD
CH P.    CH
1    :   --
Press SHIFT ➡ to DOWN LOAD
Press MENU to exit
```

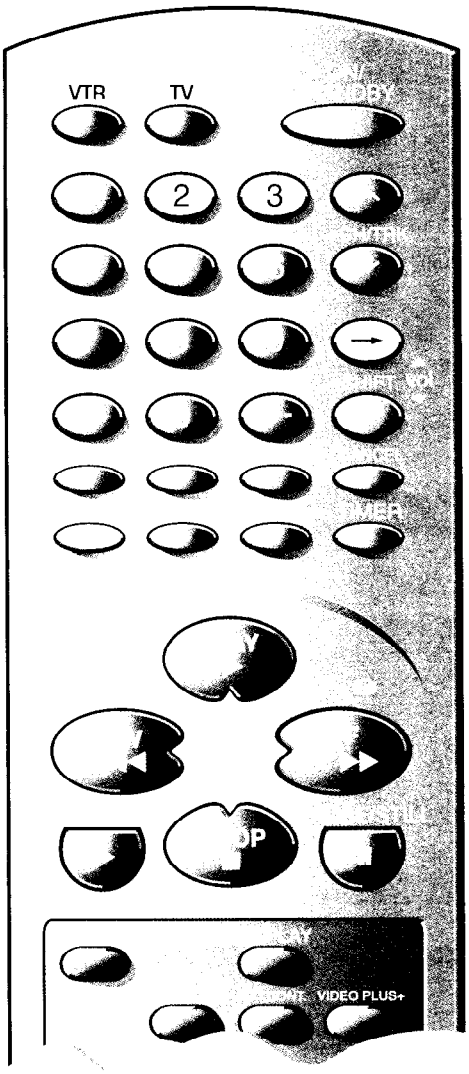
5 Having downloaded the channel order and set the TV PICTURE RECORD to ON you can now instruct the VCR to record information from the television. For example, you may be watching a news item and decide to record it. Because the setting on the PICTURE RECORD was turned ON the VCR will automatically record from the current television station, *irrespective* of what channel the VCR is set to (unlike the OTR function) by pressing the two REC buttons.

The TV will automatically switch the VCR into Timer Mode.

```
nexTViewLink SETTING
1 TV CH P. DOWN LOAD
2 TV PICTURE RECORD (OFF)
Press 1~2 to select
Press MENU to exit
```

NTSC Playback

NTSC is the broadcasting standard used in Japan and the USA. The VTR has a function that enables you to view NTSC tapes.



Note: The playback quality of NTSC tapes is not as good as PAL tapes and the picture and sound quality may be poor. The picture may shrink vertically, black bars may appear at both the top and bottom of the screen and Variable Speed Playback may not function correctly (*i.e.* Picture Still, Search, Slow Playback etc). Digital Auto Tracking may not work correctly.

Playback of recordings made in LP mode may be poor due to the limitations of conversion.

Playing back a cassette on a PAL ONLY TV

The VTR will decode NTSC signals, so the NTSC option available on the VTR must be set to ON.

1 Press the MENU button to display the green MAIN MENU.

```
MAIN MENU
1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING

Press 1~5 to select
Press MENU to exit
```

2 Press button 2 to select the blue USER SETTING 1/2 screen.

```
USER SETTING 1/2
1 TAPE SELECT    ( E180)
2 ECO MODE       (OFF)
3 NTSC ON PAL TV ( ON)
4 VIDEO PLUS+ EXTEND (OFF)
5 COLOUR         (ON)

Press 1~5 to change
Press SHIFT → to next
Press MENU to exit
```

3 Press button 3 to select NTSC ON PAL TV ON.

4 Press MENU twice to exit.

Playing back a cassette on an NTSC 4.43 compatible TV

The TV will decode the NTSC signal, so the 'NTSC Playback on PAL TV' option available from the VTR must be set to OFF.

1 Press the MENU button to display the green MAIN MENU.

2 Press button 2 to select the blue USER SETTING 1/2 screen.

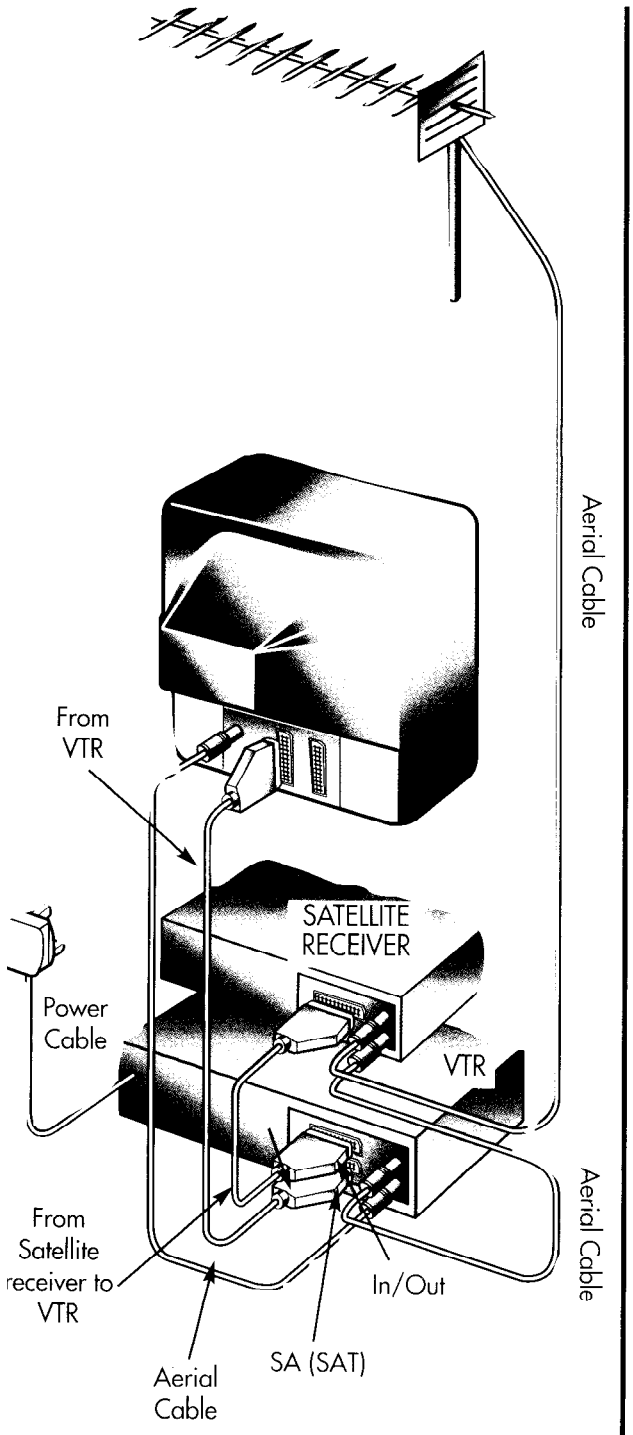
```
USER SETTING 1/2
1 TAPE SELECT    (E180)
2 ECO MODE       (OFF)
3 NTSC ON PAL TV ( ON)
4 VIDEO PLUS+ EXTEND (OFF)
5 COLOUR         (ON)

Press 1~5 to change
Press SHIFT → to next
Press MENU to exit
```

3 Press button 3 to select NTSC ON PAL TV OFF.

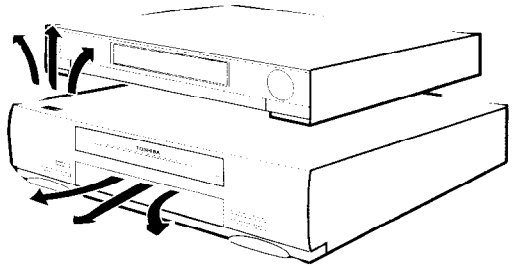
4 Press MENU twice to exit.

Connections

Satellite Compatibility:
In order for these functions to work you must have a compatible Satellite receiver.
Some Pace and Nokia Satellite receivers are not compatible with this VTR, for instance Pace have recently changed the IR control codes of the MSS100, therefore some machines will be compatible while others are not. Incompatible MSS100 receivers can be identified by the Remote Control part number "RC10" which is printed on the handset.



Positioning the Satellite receiver:



The VTR will control or 'talk' to the Satellite receiver via infra-red signals which are sent out from the VTR's display window and top-mounted sensor.

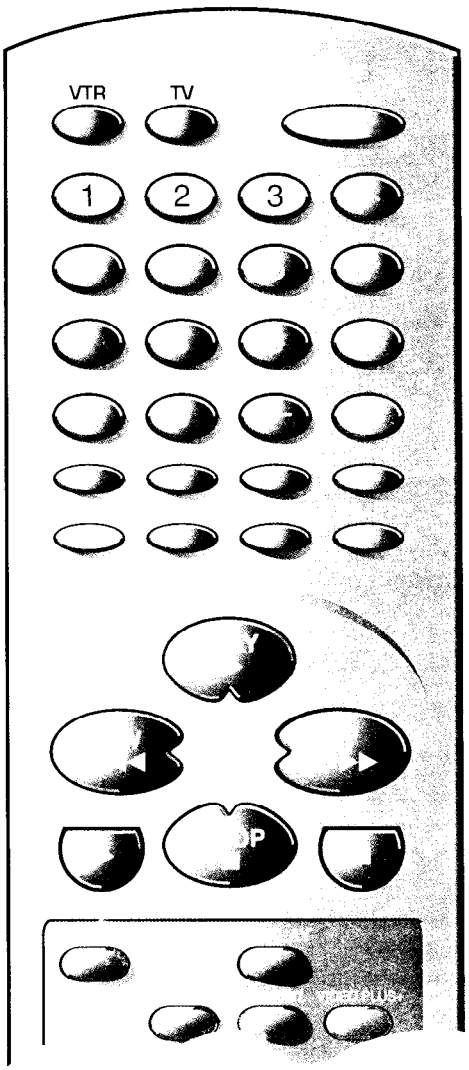
It is essential that you correctly position the VTR and Satellite receiver.

Ideally, you should position the Satellite receiver *above* the VTR.

- Do not block the VTR's sensors.
- The infra-red signals come out of the sensor windows, bounce off walls and objects in the room and are picked up by the Satellite receiver.

Note: When using a SCART Lead between the Satellite receiver and the VTR always ensure that you connect the SCART Lead to the SCART input socket marked SATELLITE IN on the VTR.

Control of Satellite Channels via Satellite Control



Having connected your Satellite receiver and positioned it correctly, you now need to tell the VTR how it is connected, what Brand of Satellite receiver you have and what order of Satellite channels have been set.

1 Press the MENU button on the Remote Control to display the green MAIN MENU.

MAIN MENU

1 TIMER PROGRAMMING
2 USER SETTING
3 INSTALLATION
4 CLOCK SET
5 nexTViewLink SETTING

Press 1~5 to select
Press MENU to exit

2 Press button number 3 to select the blue INSTALLATION MENU and 3 again to select the blue SATELLITE SETTING screen.

INSTALLATION MENU

1 AUTO SET UP
2 MANUAL SET UP
3 SATELLITE SETTING
SAT. CONNECTION (I P.)
SAT. BRAND NO. (17)
4 VIDEO PLUS+ GUIDE CH

Press 1~4 to select
Press MENU to exit

3 Select 1 ~ 3 depending on how you have connected the Satellite receiver.

SATELLITE CONNECTION
How is your satellite connected?

1 SATELLITE SCART (SAT)
2 RF AERIAL (CH P.)
3 AV SCART (LINE)

Press 1~3 to select
Press MENU to exit

If you have connected the Satellite receiver using RF AERIAL (Option 2 from the SATELLITE CONNECTION) the VTR needs to be told to which channel you have tuned your Satellite. The screen will prompt you. Use the number buttons on the Remote Control, *e.g.* 06 for channel 6.

If the Satellite receiver has been connected – turned on and set to Sky News – prior to running AUTO SET UP then the Satellite receiver should be stored in position 6.

4 Once this number has been entered, press the MENU button on the Remote Control.

SATELLITE BRAND NO.
What is brand of your satellite?

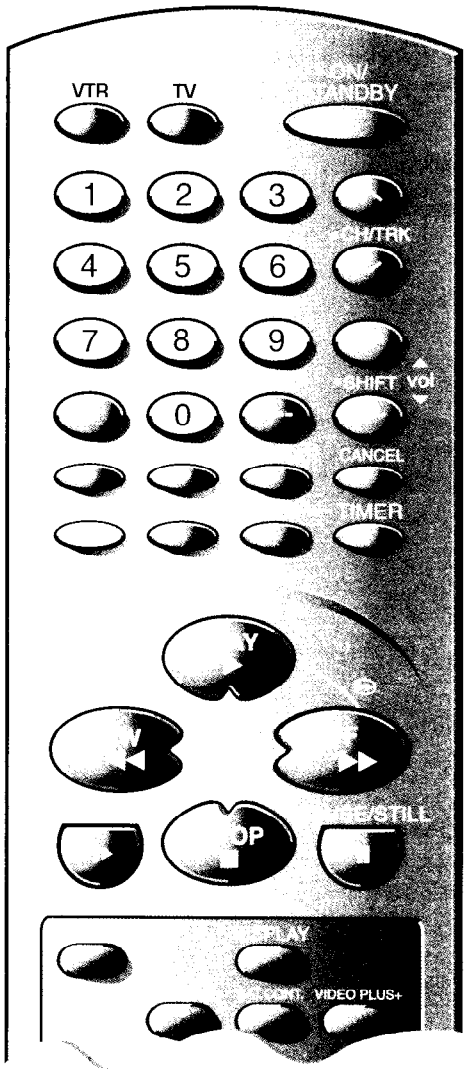
SAT. BRAND NO. (017)
Refer to owner's manual for 3 digit brand No.
ENTER SAT. BRAND NO. even if it is correct.
Press MENU to exit

Enter the Satellite Brand Code from the table on *page 29* using the numbered buttons on the Remote Control, even if the correct code is shown.

The VTR will send a test signal to the Satellite receiver.

Continued overleaf...

Control of Satellite Channels via Satellite Control



5 If the Satellite receiver switches to channel 12 it is working correctly. Press MENU to continue and go to instruction **7** below.

SAT. BRAND NO. (017)

sending a test signal of CH 12 to your satellite

6 If it does not switch to channel 12 continue trying the list of Brand Codes until the VTR controls the Satellite.

Did SAT. CH change to 12?
YES: Press **MENU**
NO: Try another No.
SAT. BRAND NO. (017)
If all numbers tried select NO SAT CONTROL on next screen.
Press **MENU** → next screen

Note: If *no* Codes work, press the MENU button on the Remote Control and select NO SAT CONTROL on the next screen and *see step* **9** *below.*

7 You now need to tell the VTR the Channel order on your Satellite receiver.

SATELLITE CH ORDER
How is your satellite receiver tuned?
1 SKY ORDER
2 ASTRA ORDER
3 PERSONAL PREFERENCE
4 NO SATELLITE CONTROL
Press **1**~**4** to select
Press **MENU** to exit

Most Satellite receivers are preset to either SKY or ASTRA order. If, however, you have changed the order then you will need to select 3 PERSONAL PREFERENCE on the SATELLITE CH ORDER screen and change the VIDEOPlus+ GUIDE numbers accordingly.

Select 1~4 and this will customise your VTR to your Satellite receiver.

8 If you selected 3 PERSONAL PREFERENCE you will need to enter the channel order of the Satellite receiver (see the example right). Use the table on *page 29* to help.

Example only

GUIDE		:CH P.
101	:	SAT
102	:	SAT
103	:	SAT
104	:	SAT
105	:	SAT

Enter CH P. or LINE
Press **SHIFT** to change GUIDE
Press **MENU** to exit

9 If you selected 4 NO SATELLITE CONTROL you will need to manually select the correct Satellite channel on the receiver when you want to record a Satellite programme.

The set-up is now complete.

Control of Satellite Channels via Satellite Control

From the tables below look up the make of the Satellite Receiver and note the Brand Code.
The Channel order may change from time to time – contact your Satellite provider for the latest details.

Brand Name	Brand Code
TOSHIBA	017, 033
ALBA	001, 002, 009, 016, 017, 065, 066
AMSTRAD	003, 004, 005, 017, 055, 056, 076, 077, 089, 090, 091, 124
ARMSTRONG	107, 043
BIG BROTHER	007, 008, 017
BT	017, 122, 123
BUSH	002, 009, 016, 017, 065, 066
CABLE STAR	017, 101, 102, 103, 104
CABLETIME	017, 101, 102, 103, 104
CAMBRIDGE	017, 122, 123
CHANNEL MASTER	002, 003, 010, 017
D2MAC DECODER	017, 072
DRAKE	017, 045
ECHOSTAR	013, 014, 017, 092, 093, 094
FERGUSON	009, 015, 016, 017, 023, 038, 039, 059, 108
GRUNDIG	017, 019, 028, 071, 125
ITT/NOKIA	017, 026, 027, 050, 051, 052
JVC	017, 122, 123
LENCO	017, 049
MASPRO	017, 020, 064, 067
MATSUI	017, 125
NEC	017, 022, 057
NETWORK	009, 016, 017
NORDMENDE	017
PACE	009, 016, 017, 023, 038
PANASONIC	017, 061
PHILIPS	016, 017, 024, 046, 073
REDIFFUSION	017, 025
REVOX	017, 021
SAKURA	017, 062, 063, 068
SALORA	017, 026, 027, 050, 051, 052
SAMSUNG	017, 036
SIEMENS	017, 023
SENTRA	010, 017
SONY	017, 030
TATUNG/NIKKO	017, 032, 054, 058, 080, 081
TEXSCAN	017, 119, 120
THOMSON	007, 017, 039
TRISTAR	017, 031
UNIDEN	017, 067
VIDEOTRON	017, 105, 106, 107, 108, 109, 110, 121
WISI	017, 035, 037, 044, 093

Please note:
These charts were correct at time of going to press.
Names and Codes may vary.

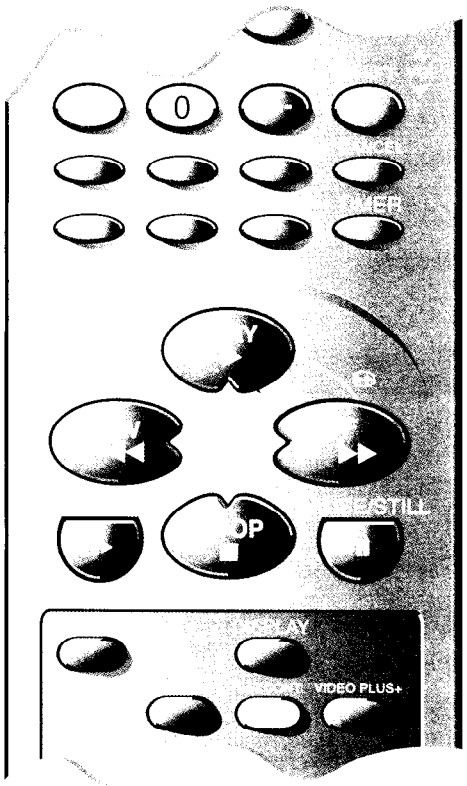
Station Name	VIDEOPlus+ Guide Channel	SKY Order	ASTRA Order	Personal Preference
SKY ONE	101	1	8	
SKY NEWS	102	2	12	
SKY MOVIES SCREEN 1	103	3	16	
SKY MOVIES SCREEN 2	104	4	18	
THE DISNEY CHANNEL	111	5	26	
SKY BOX OFFICE 1	111	5	26	
SKY SPORTS 1	105	6	20	
NICKELODEON	106	7	46	
PARAMOUNT COMEDY CH.	106	7	46	
EBN	125	8	42	
TROUBLE	125	8	42	
BRAVO	125	8	42	
DISCOVERY HOME & LEISURE	124	9	41	
DISCOVERY	124	9	41	
UK GOLD	123	11	23	
QVC	136	12	38	
LIVING	130	13	34	
THE FANTASY CHANNEL	130	13	34	
MTV	109	14	15	
VH1	145	15	22	
SKY SPORTS 2	140	16	47	
SKY SPORTS 3	148	17	31	
PLAYBOY CHANNEL	148	17	31	
TV SHOP	148	17	31	
FOX KIDS	119	18	7	
NATIONAL GEOGRAPHIC	119	18	7	
GRANADA PLUS	131	19	3	
MEN & MOTORS	131	19	3	
WEATHER	127	20	60	
RACING	127	20	60	
SKY BOX OFFICE 2	127	20	60	
SKY BOX OFFICE 3	132	21	59	
SKY SCOTTISH	132	21	59	
GRANADA GOOD LIFE	142	22	58	
COMPUTER CHANNEL	142	22	58	
SKY BOX OFFICE 4	142	22	58	
CMT	138	24	51	
CHRISTIAN CHANNEL	122	26	24	
SOAP	122	26	24	
HISTORY	122	26	24	
SCI-FI	122	26	24	
TRAVEL	129	27	60	
SKY MOVIES GOLD	129	27	60	
CARTOON NETWORK	149	29	37	
TNT	149	29	37	
EUROSPORT	107	30	4	
CNN	126	31	28	

**It is important that you check that your VIDEOPlus+ Guide Channel order stored on the VTR is the same order as your Satellite Receiver otherwise VIDEOPlus+ programming will not work correctly.*

Control of Satellite Channels continued

Satellite Control function

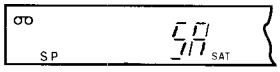
Note: Some Satellite receivers may not respond to all the operations described, or may not be operated with this Remote Control. In these cases, operate the Satellite receiver using its own remote control.



Satellite Control enables you to change channels on the Satellite using the VTR Remote Control.

1 Press the VTR button to ensure you are in VTR mode. Press the SAT.CONT. (Satellite Control) button to switch Satellite control ON. The VTR is now in Satellite Control mode and the VTR will automatically select the Satellite Input on the VTR that you have previously set.

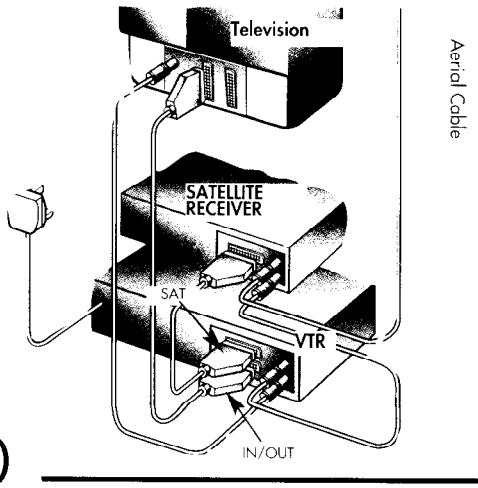
2 'SAT' will appear in the VTR display panel, to switch it off, press the SAT.CONT. button again.



3 Select a Satellite channel using the numbered buttons on the Remote Control. Depending on the Satellite receiver, the ways of use may differ. *For example:* to select SKY MOVIES (on channel 3) either press 0 then 3, or 0 then 3 then the ENTER button, or 0 then 3 then the ENTER button twice.

4 When you have finished press the SAT.CONT. button to switch the Satellite Control OFF. To reset the VTR to record from BBC 1, ITV etc, press the INPUT SELECT button repeatedly until a programme position number is displayed.

Some functions of the Remote Control will not work whilst in this mode. To exit this mode, press the SAT.CONT. button on the Remote Control. 'SAT' will disappear from the VTR display panel.



If the Satellite receiver has two SCART outputs, one to the VTR and another to the TV, you do not need to use this function.

To view Satellite you must select the SCART socket on the television (refer to the TV Owner's Manual).

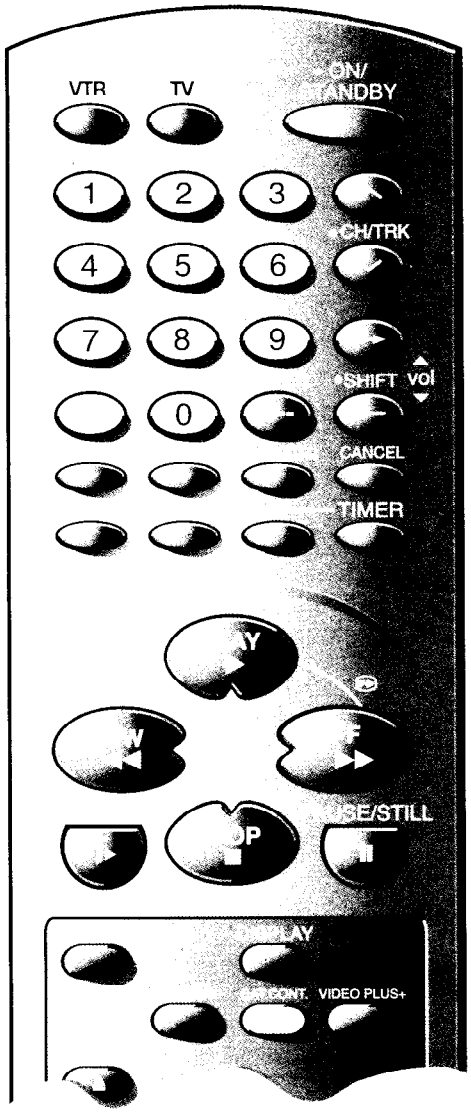
1 Press the SAT.MONI (SATELLITE MONITOR) button on the VTR Remote Control; this will loop the Satellite signal through the VTR up to the television.

2 If it has not been automatically selected, select the SCART socket on the television (refer to TV Owner's Manual).

3 To cancel press the SAT.MONI button again.

Note: If you press the MENU button on the Remote Control to display the green MAIN MENU on the TV screen the Satellite Monitor Function will cancel.

Recording from Satellite – VIDEOPlus+ DELUXE, Recording and Timer



If you have connected the VTR to a Cable system, please refer to the Cable provider for full details on how to set up using VIDEOPlus+ DELUXE.

If you have not followed the Satellite installation instructions as described in these *Satellite Control* pages you will NOT be able to use VIDEOPlus+ DELUXE.

VIDEOPlus+ DELUXE

This gives the simplicity of VIDEOPlus+ but also allows the recording of Satellite programmes. If Satellite Control works, VIDEOPlus+ DELUXE will operate in the same way, *see page 18.*

Recording can be used in the same way as described on *page 19.*

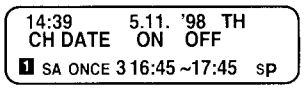
1 All you need to do is press the INPUT SELECT button on the Remote Control to select the appropriate connection.

e.g. SA for SATELLITE SCART
06 for RF channel number 6, etc.

You must ensure that the Satellite receiver is set to the required channel manually.

Timer recordings from Satellite channels can be made in the same way as described on *page 20.*

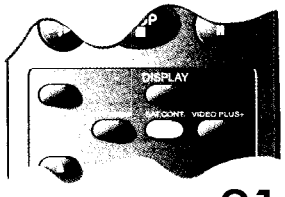
1 All you need to do is use the INPUT SELECT button on the Remote Control to select the appropriate connection:



e.g. SA for SATELLITE SCART
06 for RF channel number 6, etc.

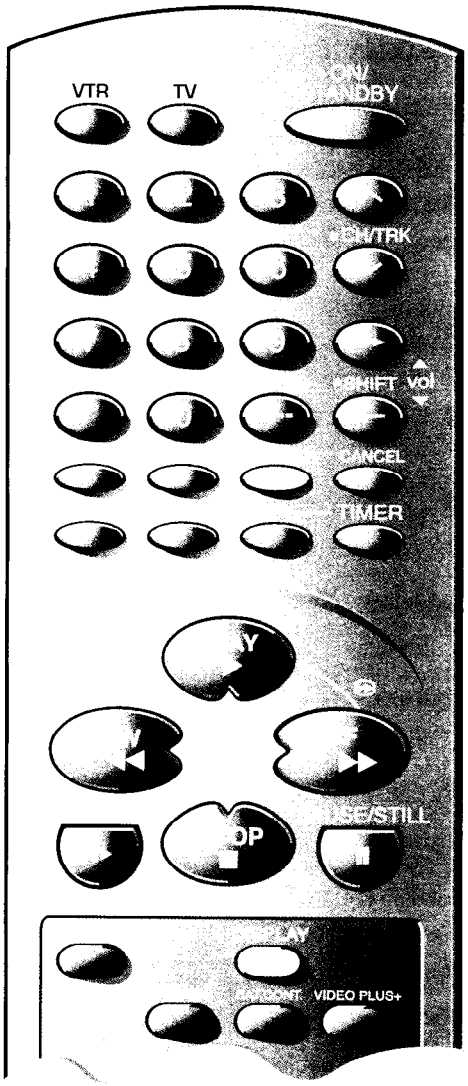
If you have set up the Satellite Control function as described on *page 28*, you can press SAT.CONT. instead of the INPUT SELECT button. SAT.CONT. automatically selects the required Satellite channel. If you use INPUT SELECT, you must ensure that the Satellite receiver is set to the required channel manually.

2 Press the SAT.CONT. button to display SA and enter the appropriate Channel number for the Satellite programme you wish to record using the number buttons on the Remote Control.



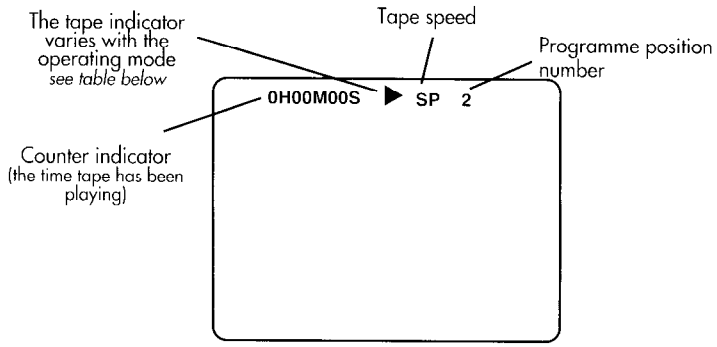
On-screen and VTR front panel displays

Pressing the DISPLAY button on the Remote Control when a tape is in PLAY will display the tape indicator on the TV screen. When you insert a tape, the counter will change from the current time to 0H00M00S. Pressing the COUNT/TR button will give you information on the VTR display panel.



Note: The counter is automatically reset to "0H00M00S" when a tape is ejected. To reset the counter at another point, such as at the beginning of a new recording, simply press the COUNTER RESET button on the Remote Control.

On Screen Displays



Screen

	Tape indicator on screen symbol		*Tape indicator on screen symbol*
Ejecting a tape	⏏	Recording Pause	⏸●
Fast-forwarding Forward picture search	▶▶	Playback	▶
Rewinding Reverse picture search	◀◀	Pause/still picture Frame advance	⏸
Recording	●	Slow Playback	▶

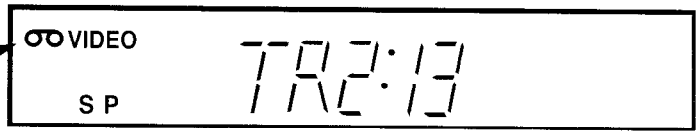
Counter – VTR Display

1 By repeatedly pressing the COUNT/TR button on the Remote Control, you will see:–

i The time the tape has been playing:

ii The time remaining on the tape:

Tape loaded



iii The current time:

Index marks and Index searches

Whenever a recording starts, the VTR puts an electronic Index mark on the tape.

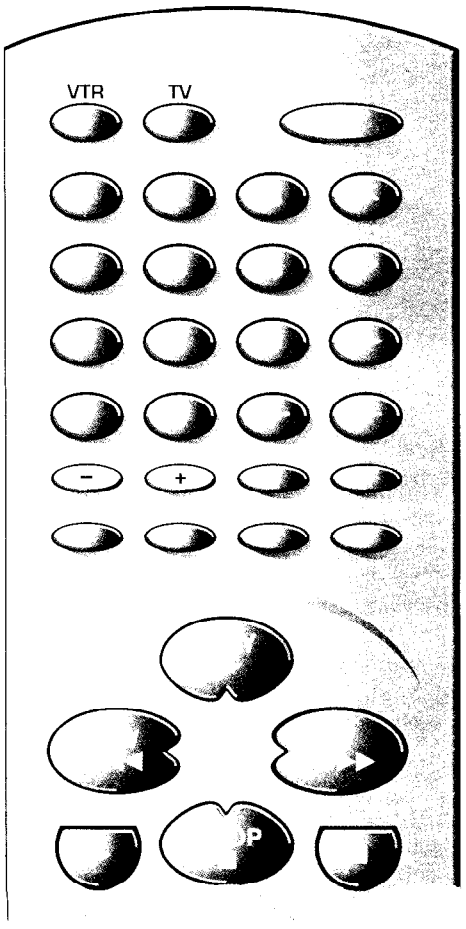
An Index search enables you to find the beginning of programmes easily and quickly.

You can put additional Index marks o ' a tape wherever you like, but *only during a recording.*

You cannot put in Index marks during playback of a tape.

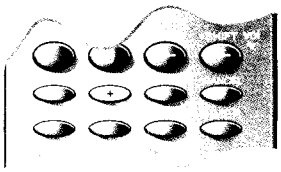
When registering Index marks, always leave at least a 1 minute gap when recording in SP and a 2 minute gap when recording in LP.

Index marks are not registered when the VTR is in pause mode during a recording.



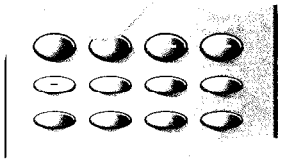
Making and finding Index marks:

1 To register an Index mark *during recording*, simply press the INDEX + button on the Remote Control.



2 To find the Index marks when a tape is in playback, press the INDEX+ button to search forwards or the INDEX – button to search backwards.

3 When an Index mark is found the VTR will playback the tape for 5 seconds, after which it will continue searching for the next Index mark.



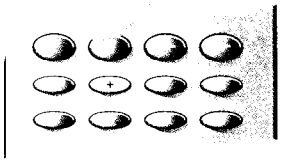
4 If you want to watch the tape from a particular Index, simply press PLAY.

Index Skip Search:

This feature will enable you to fast forward/rewind to a specific point on a tape:

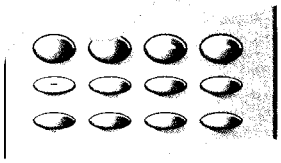
E.g. if you have recorded 3 different programmes on a tape and you have rewound the tape to the beginning, by using this feature you can go directly to the start of programme 2 simply by pressing the INDEX button.

1 Press the INDEX + to start the Index search.



2 Press the INDEX + button twice more. This will take you directly to the start of the recording/index mark 2. The VTR counter will show the progress of the search.

3 These Index searches can be made forwards:
(press INDEX +)
or backwards:
(press INDEX –).



4 To cancel an Index search simply press the PLAY or STOP button.

You can skip forward or backward a maximum of 20 Index marks.

Multi-Brand Remote Control

The Remote Control of the VTR can be compatible with various brands of Television by setting the control codes. The TOSHIBA code has initially been set to control TOSHIBA Televisions.

For some Brands several Control Codes, or Brand Codes are allocated. Try each of them until the buttons on the Remote Control work on the Television. When the Remote Control batteries are replaced, set the Brand Code again.

BRAND CODES

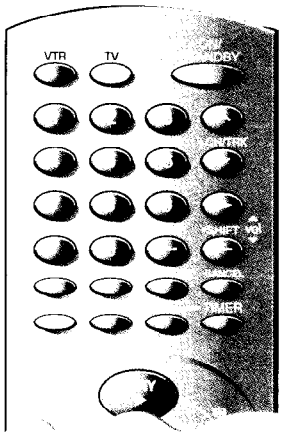
TV Brand Name	Brand Code
TOSHIBA	01, 14, 15, 16, 17, 19
AKAI	08
BANG & OLUFSEN	20
BLAUPUNKT	04
BRANDT	11
BRIONVEGA	20
CGE	19
CONTINENTAL EDISON	22
FERGUSON	11, 24, 25
FINLUX	02, 15, 20
FISHER	08
FORMENTI	20
GOLDSTAR	02
GRUNDIG	04, 15, 19
HITACHI	06, 10, 11, 22
IMPERIAL	19
JVC	07
LOWEW	02
LOEWE OPTA	02, 20
METZ	20
MITSUBISHI	02, 09, 14
MIVAR	19
NOKIA	21
NORDMENDE	10, 11, 22
PANASONIC (NATIONAL)	03, 21, 26
PHILIPS	02, 18, 20
PHONOLA	02, 18, 20
PIONEER	11, 21
RADIOLA	02, 18
RADIOMARELLI	20
REX	21
SABA	10, 11, 20, 21, 22
SALORA	21
SAMSUNG	02
SANYO	08, 14
SCHNEIDER	02
SELECO	21
SHARP	05, 14
SIEMENS	04
SINGER	20
SINUDYNE	20
SONY	13, 14
TELEAVIA	11
TELEFUNKEN	11, 24
THOMSON	10, 11, 22
WEGA	20
YOKO	02

See the table opposite for the Television Brand Codes.

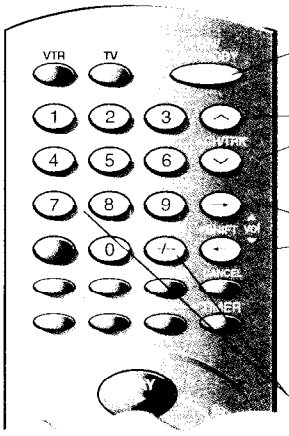
1 Press the TV button on the Remote Control.

2 Hold down the TV button on the Remote Control and enter the two digits of the TV's Brand Code using the number buttons.

3 Release the TV button.



4 With the Remote Control pointing at the Television use each button listed below to ensure that the TV is operated correctly:–



ON/STANDBY:
Turns to Television on or off.

CH/TRK:
Selects the TV channels up or down.

VOL:
Adjusts the sound level.

Number Buttons and ENTER-/--:
To select TV channels. The way of use may differ with varying models of televisions.

E.g. ***To select Channel 3:***
Press number buttons 0 3
or
Press number buttons 0 3 and the ENTER button
or
Press the ENTER button and the number button 3.

To select Channel 16:
Press number buttons 1 6
or
Press number buttons 1 6 and then the ENTER button
or
Press the ENTER button twice and then the number buttons 1 and 6.

Note: Some TVs may not respond to all the operations listed above (may not be operated at all with the VTR Remote Control. In which ca operation of the TV will have to be by its own Remote Control.

For your guidance, before calling for help...

If your VTR fails to operate correctly, we recommend that the following simple checks are carried out before contacting the Toshiba helpline or your local Toshiba dealer.

VTR not working: blank display on front of VTR; all TV channels poor...

➔ Check connection to the mains supply.

VTR Remote Control does not work...

➔ Check the batteries

➔ Check the VTR button has been pressed to select VTR mode.

Cannot see a picture when Playing a tape...

➔ If using a SCART Lead, check it is pushed fully in at VTR and TV ends. On some TVs you will need to select SCART Input manually (consult the *TV* Owner's Manual)

➔ If not using a SCART Lead you will need to tune a spare channel on the TV to pick up the signal from the VTR (consult the *TV* Owner's Manual).

All television channels disappear when using the VTR...

➔ Check that the RF Aerial cables are connected as shown on page 7 of this Manual.

One television channel disappears or is distorted when using the VTR...

➔ The RF output channel of the VTR is clashing with one of the broadcast channels in your area so you need to move the RF output of the VTR, see page 13 of this Manual.

When Playing a tape there is picture but no sound or sound but no picture...

➔ If you have a SCART Lead connected check it is fully pushed in at both the TV and VTR ends.

When Playing a tape there is no colour...

➔ Check colour is turned ON in the USER SETTING screen, see page 21 of this Manual

➔ If using a SCART Lead check the TV is not set to 'S-VHS' (consult the *TV* Owner's Manual).

A clock or counter appears in white on the television screen when using the VTR...

➔ Press the DISPLAY button on the VTR Remote Control to remove it.

Television programmes cannot be viewed through the VTR...

➔ Select your VTR channel on the TV

➔ If using a SCART Lead select AV input on the TV

➔ Press the VTR button on VTR Remote Control

➔ If L or SA appears in the VTR display press the INPUT SELECT button on the VTR Remote Control until a channel number appears.

'Manual Tune' cannot be selected in the on-screen Menus ....

➔ If you have a tape Playing or Recording, you must stop it

➔ If Lor SA appears in the VTR display panel, press the INPUT SELECT button on the VTR Remote Control until a channel number appears.

Cannot record using VIDEOPlus+ ...

➔ Check the clock is set correctly (time and date)

➔ Check the VIDEOPlus+ Guide Channels are set correctly, see page 19 of this Manual

➔ Check the cassette has not had the safety tab removed Make sure the two TIMER buttons on the Remote Control are pressed after entering recording details.

Cannot record using TIMER RECORDING...

➔ Check the information listed above for VIDEOPlus+ recording

➔ If On/Off times entered differ from those *advertised* ensure PDC is OFF, see page 23.

If you get any problems contact the helpline...

Specifications and Accessories

SYSTEM

Format:	VHS standard
Recording system:	Rotary, 2-head helical scan system
Video heads:	4 heads – V-429B 2 heads – V-229B
Video signal system:	CCIR; 625 lines, 50 fields, PAL colour signal, NTSC colour, 525 lines
Tape speed:	SP: 23.39mm/s (PAL) SP: 33.35mm/s (NTSC)
	LP: 11.70 mm/s (PAL) SLP: 11.12mm/s (NTSC)
Recording time:	SP: 240 minutes with E240 cassettes (PAL)
	LP: 480 minutes with E240 cassettes (PAL)
Winding time:	Approximately 150 seconds with E180 cassettes
Dimensions:	360(w) x 94(h) x 298(d)mm
Mass:	4.2kg approx.
Operating temperature:	+5 to +40°C
Operating humidity:	Less than 80% RH
Mains power:	230/240V AC, 50Hz
Power consumption:	16W (in operation) 5W (normal standby) 3W (ECO MODE standby)

CONNECTORS

Aerial input:	75Ω coaxial
Aerial output:	75Ω coaxial
Video input:	IN/OUT SCART socket 1.0V(p-p), 75Ω
Audio input:	IN/OUT SCART socket, 308mV(rms), more than 10 kΩ
Video output:	IN/OUT SCART socket, 1.0 V(p-p), 75Ω
Audio output:	IN/OUT SCART socket, 308 mV(rms), less than 1.0 kΩ

VIDEO

Signal-to-noise ratio:	More than 43dB (SP tape speed/PAL)

AUDIO

Signal-to-noise ratio:	More than 42dB (SP tape speed/PAL/normal mono)
Audio Track:	1 Track (normal-mono)

TIMER

Clock:	24-hour digital indication
N° of events:	6 events 1 month

TUNER

System:	Frequency synthesizer
Channel coverage:	PALI VHF: A – J, 11, 13, E2 – E12 UHF: E21 – E69
	CATV: X, Y, Z, S1 – S41, 1 – 53 (48MHz to 464MHz, 8MHz steps)
RF converter:	UHF 21 – 69, adjustable, System-I

ACCESSORIES

Aerial cable x 1 Remote Controller x 1 (batteries UM-4, AAA, IEC R03 x 2)

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